













# MEMPHIS STATE UNIVERSITY BULLETIN

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# MEMPHIS STATE UNIVERSITY

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*Member of:*

The Southern Association of Colleges and Secondary Schools  
The American Association of Colleges for Teacher Education  
The National Council for Accreditation of Teacher Education  
The American Council on Education  
The National Collegiate Athletic Association

The Tennessee College Association

*The Forty-sixth Session Will Open*

*Thursday, September 12, 1957*

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## CALENDAR, 1957-58

1957

SEPTEMBER							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7						1	2
8	9	10	11	12	13	14	3	4	5	6	7	8	9
15	16	17	18	19	20	21	10	11	12	13	14	15	16
22	23	24	25	26	27	28	17	18	19	20	21	22	23
29	30						24	25	26	27	28	29	30
OCTOBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5	1	2	3	4	5	6	7
6	7	8	9	10	11	12	8	9	10	11	12	13	14
13	14	15	16	17	18	19	15	16	17	18	19	20	21
20	21	22	23	24	25	26	22	23	24	25	26	27	28
27	28	29	30	31			29	30	31				

1958

JANUARY							MAY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4					1	2	3
5	6	7	8	9	10	11	4	5	6	7	8	9	10
12	13	14	15	16	17	18	11	12	13	14	15	16	17
19	20	21	22	23	24	25	18	19	20	21	22	23	24
26	27	28	29	30	31		25	26	27	28	29	30	31
FEBRUARY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	1	2	3	4	5	6	7
2	3	4	5	6	7	8	8	9	10	11	12	13	14
9	10	11	12	13	14	15	15	16	17	18	19	20	21
16	17	18	19	20	21	22	22	23	24	25	26	27	28
23	24	25	26	27	28		29	30					
MARCH							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1			1	2	3	4	5
2	3	4	5	6	7	8	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28	29	30	31		
30	31												
APRIL							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5						1	2
6	7	8	9	10	11	12	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28	29	30				24	25	26	27	28	29	30
							31						

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**MEMPHIS STATE UNIVERSITY**  
**CALENDAR 1957-58**

**First Semester**

September 12, Thursday, 9:00 A.M.—University faculty meeting, Library.  
September 12-13—Registration for Evening Students only—7:00 P.M.  
September 14—Registration Graduate Students—8:00 A.M.  
September 14—Registration, In-Service Teachers—Undergraduate—11:00 A.M.  
September 16-17—Counseling and registration for Freshmen.  
September 18-19—Counseling and registration for Sophomores, Juniors and Seniors.  
September 20—Classes meet as scheduled.  
November 11—Monday, Veterans' Day—Holiday.  
November 13-16—Mid-semester examinations.  
November 28-30—Thanksgiving holidays.  
December 18—January 1 (inclusive)—Christmas holidays.  
January 22-24—Examinations. First semester ends.  
January 27—Mid-year Graduation Exercises 7:30 P.M.

**Second Semester**

February 1—Registration: Graduate and In-Service Teachers.  
February 3—Registration: Evening Students—6:00 P.M.  
February 4-5—Counseling and registration for Undergraduates.  
February 6—Classes meet as scheduled.  
April 3-6—Easter holidays.  
April 7-9—Mid-semester examinations.  
May 23-27—Final examinations—Second semester ends.  
May 31—Commencement 10:00 A.M.

**Summer Session**

June 4-5—Counseling and registration.  
June 6—Classes meet as scheduled.  
July 4—Holiday.  
July 11—Examinations. First term ends.  
July 14—Registration: second term. Classes meet as scheduled.  
August 15—Examinations. Summer session ends.

**STATE BOARD OF EDUCATION**

Governor Frank G. Clement.....	Nashville
Commissioner Quill E. Cope, Chairman.....	Nashville
Hon. Ernest C. Ball.....	Memphis
Dr. Norman Frost.....	Nashville
Hon. Edward L. Jennings.....	Liberty
Hon. Clarence Kolwyck.....	Chattanooga
Hon. W. R. Landrum.....	Trenton
Mrs. Ferdinand Powell.....	Johnson City
Hon. J. Howard Warf.....	Hohenwald
Hon. James Williams.....	Henderson
Mrs. Sam Wilson.....	Loudon

# COUNTY AND CITY SUPERINTENDENTS OF WEST TENNESSEE

<i>County or City</i>	<i>Name</i>	<i>Postoffice</i>
Alamo.....	T. H. Strange.....	Alamo
Atwood.....	Basil Snider.....	Atwood
Bells.....	Basil J. Crider.....	Bells
Benton.....	Ford Hollingsworth.....	Camden
Brownsville.....	E. D. Thompson.....	Brownsville
Carroll.....	Otis L. Cox.....	Huntingdon
Chester.....	Tom Armour.....	Henderson
Covington.....	R. K. Castellaw.....	Covington
Crockett.....	R. E. Black.....	Alamo
Crockett Mills.....	Melvin Carlton.....	Crockett Mills
	Hamlett-Robertson School	
Decatur.....	G. T. Kennedy.....	Decaturville
Dyer.....	H. Claude Moore.....	Dyersburg
Dyersburg.....	G. D. Stephenson.....	Dyersburg
Fayette.....	Joseph R. Martin.....	Somerville
Friendship.....	J. F. Bailey.....	Friendship
Gadsden.....	W. Frank Latham.....	Gadsden
Gibson.....	C. H. Cole.....	Trenton
Hardeman.....	Ben Carr.....	Bolivar
Hardin.....	H. F. Snodgrass.....	Savannah
Haywood.....	Joe T. Naylor.....	Brownsville
Henderson.....	G. Tillman Stewart.....	Lexington
Henry.....	Julian Brewer.....	Paris
Hollow Rock.....	Joe T. Herndon.....	Hollow Rock
Humboldt.....	W. E. Wilson.....	Humboldt
Huntingdon.....	C. H. Pudor.....	Huntingdon
Jackson.....	D. E. Ray.....	Jackson
Lake.....	Jack Brewer.....	Tiptonville
Lauderdale.....	Edric Owen.....	Ripley
Lexington.....	Paul G. Caywood.....	Lexington
Madison.....	Alton Copeland.....	Jackson
Maury City.....	Wilbur H. Smith.....	Maury City
McKenzie.....	W. O. Warren.....	McKenzie
McNairy.....	Carlie Hughes.....	Selmer
Memphis.....	E. C. Ball.....	Memphis, 317 Poplar
	E. C. Stimbert.....	Board of Education
	(Assistant Superintendent)	
Newbern.....	Joe L. Mullins.....	Newbern
Obion.....	Joel Shore.....	Union City
Paris.....	W. O. Inman.....	Paris
Shelby.....	George H. Barnes.....	Memphis, Courthouse
Tipton.....	Shannon Faulkner.....	Covington
Trezevant.....	A. E. Cross.....	Trezevant
Trimble.....	Marion Carroll.....	Trimble
Union City.....	J. C. Maddox.....	Union City
Weakley.....	J. T. Miles.....	Dresden

## COUNTY AND CITY HIGH SCHOOLS OF WEST TENNESSEE

<i>Name of School</i>	<i>Postoffice</i>	<i>Principal</i>
Adamsville.....	Adamsville .....	Sam Ingram
Alamo.....	Alamo.....	T. H. Strange
Atwood.....	Atwood .....	Basil Snider
Beech Bluff.....	Beech Bluff.....	Neill B. Davis
Bells.....	Bells.....	Basil J. Crider
Bethel Springs.....	Bethel Springs.....	C. L. Hendrix
Big Sandy.....	Big Sandy.....	Hilton T. King
Blackwell, Nicholas.....	Bartlett.....	John D. Barnes
Bolton.....	Arlington.....	W. D. Croft
Bradford.....	Bradford.....	Russell R. Tuck
Brighton.....	Brighton.....	J. H. Bennett
Buchanan.....	Buchanan.....	Kermit Kemp
Byars-Hall.....	Covington.....	J. E. Simonton
Central.....	Bolivar.....	Milton R. Basden
Central.....	Bruceton-Hollow Rock.....	Joe T. Herndon
Central.....	Camden.....	Bert P. Cagle
Central.....	Memphis.....	R. E. King
Central.....	Savannah.....	Rex G. Turman
Chester County.....	Henderson.....	James Williams
Clarksburg.....	Clarksburg.....	Otto Thomas
Cloverdale.....	Elbridge.....	W. B. Hargett
Collierville.....	Collierville.....	Herman Osteen
Cottage Grove.....	Cottage Grove.....	Hewlett Cooper
Decatur County.....	Decaturville.....	H. B. Evans
Dixie.....	Union City, Rt. 2.....	Milton Hamilton
Dresden.....	Dresden.....	W. L. Darnall
Dyer.....	Dyer.....	W. A. West
Dyersburg.....	Dyersburg.....	James C. Sawyers
East.....	Memphis.....	James P. Snider
Fayette County.....	Somerville.....	J. W. Harden
Frayser.....	Frayser.....	Leon Stevenson
Friendship.....	Friendship.....	J. F. Bailey
Gadsden.....	Gadsden.....	W. F. Latham
Gibson.....	Gibson.....	James Webb
Gleason.....	Gleason.....	J. T. Moore
Grand Junction.....	Grand Junction.....	Roy King
Greenfield.....	Greenfield .....	Wilton Roberts
Grove.....	Paris.....	Dwight L. Norman
Halls.....	Halls.....	James C. Peery
Hamlett-Robertson.....	Crockett Mills.....	Melvin Carlton
Haywood County.....	Brownsville.....	George B. Herring
Henry.....	Henry.....	Horace R. Derrington
Holladay.....	Holladay .....	Talmage Hudson
Hornbeak.....	Hornbeak.....	T. R. Jarvis
Humboldt.....	Humboldt .....	Brady Taylor
Humes.....	Memphis.....	T. C. Brindley
Huntingdon.....	Huntingdon.....	C. H. Pudor
Jackson.....	Jackson.....	C. J. Huckaba
Kenton.....	Kenton.....	Joe Norvell
Lexington.....	Lexington.....	W. L. Bobbitt
McKenzie.....	McKenzie.....	W. O. Warren
Martin.....	Martin .....	Leonard Miles

# COUNTY AND CITY HIGH SCHOOLS OF WEST TENNESSEE

<i>Name of School</i>	<i>Postoffice</i>	<i>Principal</i>
Mason Hall.....	Kenton, Rt. No. 4.....	N. M. Overall
Maury City.....	Maury City.....	Wilbur H. Smith
Medina.....	Medina.....	Rayburn O. Cagle
Messick.....	Memphis.....	Shelby Counce
Michie.....	Michie.....	Eugene Hamilton
Middleton.....	Middleton.....	Hubert L. Jones
Milan.....	Milan.....	J. W. Thomas
Millington Central.....	Millington.....	Wm. L. Osteen
Morris Chapel.....	Morris Chapel.....	John Robert Franks
Munford.....	Munford.....	E. C. Pritchett
Newbern.....	Newbern.....	Joe L. Mullins
North Side.....	Jackson.....	M. G. Anderson
Obion.....	Obion.....	J. W. Roberts
Palmersville.....	Palmersville.....	W H. Biggs
Parsons.....	Parsons.....	B. C. Dailey
Peabody.....	Trenton.....	John Underwood
Puryear.....	Puryear.....	Lester S. Betty
Ramer.....	Ramer.....	L. G. Vaughan
Ridgely.....	Ridgely.....	Thomas Johnson
Ripley.....	Ripley.....	Charles V. Butler
Rives.....	Rives.....	George Blakemore
Rutherford.....	Rutherford.....	Quinton Atchison
Saltillo.....	Saltillo.....	N. B. Carman
Sardis.....	Sardis.....	Paul H. Holmes
Scotts Hill.....	Scott's Hill.....	R. F. Raines
Selmer.....	Selmer.....	John L. Powers
Sharon.....	Sharon.....	Jack Simmons
South Fulton.....	Fulton, Kentucky.....	C. D. Parr
South Side.....	Corinth, Miss., Rt. 2.....	Clifton Carroll
South Side.....	Jackson, Rt. No. 7.....	James L. Walker
South Side.....	Memphis.....	C. H. Wadley
Spring Hill.....	Trenton.....	C. M. Pearson
Springville.....	Springville.....	James L. Cates
Technical.....	Memphis.....	J. L. Highsaw
Tiptonville.....	Tiptonville.....	Ellis R. Truett
Treadwell.....	Memphis.....	W. L. Maybry
Trezevant.....	Trezevant.....	A. E. Cross
Trimble.....	Trimble.....	Marion C. Carroll
Troy.....	Troy.....	W. B. Forrester
Union City.....	Union City.....	John E. Miller
Whitehaven.....	Whitehaven.....	Shannon Robison
Whiteville.....	Whiteville.....	Edward A. Brown
Williams, Mabel C.....	Germantown.....	Comadora Ferguson
Woodland Mills.....	Woodland Mills.....	Carl H. Hopper
Yorkville.....	Yorkville.....	Murray Scott
White Station.....	White Station.....	Rush Siler

## COUNTY AND CITY SUPERVISORS OF WEST TENNESSEE

<i>Name of School</i>	<i>Postoffice</i>	<i>Principal</i>
Benton.....	Camden.....	Mrs. Wyly C. Lockhart
Carroll.....	Huntingdon.....	Mrs. Sue McMackins
Chester.....	Henderson.....	Miss Della Murchison
Crockett.....	Alamo.....	Miss Naomi Kenner
Decatur.....	Decaturville.....	Mrs. Allie Mae Stevens
Dyer.....	Dyersburg.....	Mrs. Margaret Pope
Dyersburg.....	Dyersburg.....	Mrs. States Welborn
Fayette.....	Somerville.....	Miss Frances Wainright
Gibson.....	Trenton.....	Mrs. Jamie Carr Harris B. J. Browning
Hardeman.....	Bolivar.....	J. Simon Smith
Hardin.....	Savannah.....	Mrs. Winnie Range
Haywood.....	Brownsville.....	Miss Minnie McRae Powell
Henderson.....	Lexington.....	Mrs. Ray Bloodworth
Henry.....	Paris.....	Miss Mary E. Cannon
Humboldt.....	Humboldt.....	Mrs. John Long
Huntingdon.....	Huntingdon.....	J. O. Forbes
Jackson.....	Jackson.....	Mrs. Frances Barker
Lake.....	Tiptonville.....	B. L. Dillard
Lauderdale.....	Ripley.....	Miss Winnie Lee Bizzell
Madison.....	Jackson.....	Miss Louise Oakley
McKenzie.....	McKenzie.....	Mrs. W. O. Warren
McNairy.....	Selmer.....	Miss Kathleen Wright
Memphis.....	Memphis.....	Miss Anne Nolen Miss Melville Jameson Miss Lala Stephens Harry B. Sharp Miss Catherine Moores Mrs. Elizabeth Moss Miss Elizabeth Hamlin Miss Lorena Wesson
Obion.....	Union City.....	C. D. Hilliard
Paris.....	Paris.....	Miss Mary Margaret Richardson
Shelby.....	Memphis.....	Mrs. Elizabeth Daggon Arthur Rauscher, Jr. Mrs. Louise Barrett
Tipton.....	Covington.....	Miss Dorothy Flowers
Weakley.....	Dresden.....	Miss Louise Hunt

## UNIVERSITY ADMINISTRATION

## ADMINISTRATIVE OFFICERS

J. Millard Smith, B.S., M.A.	.....	President
R. M. Robison, B.A., M.A.	.....	Dean
Lamar Newport, B.A., M.S.	.....	Bursar
Flora Rawls, B.A., M.A.	.....	Dean of Women
R. P. Clark, B.S., M.A.	.....	Registrar

## DIRECTORS OF SCHOOLS

W. P. Carson, B.A., Ph.B., M.A., Ph.D.	.....	Director, School of Arts and Sciences
Edward I. Crawford, B.S., M.S., Ed.D.	.....	Director, School of Education
Bascom H. Story, B.S., M.A., Ed.D.	.....	Director, Graduate School

## ADMINISTRATIVE STAFF

Mrs. Janice Abernathy	.....	Secretary, Physical Education Office
Mrs. Mary B. Bradford, B.S., M.A.	.....	Regional Supervisor of Instruction
Nolen E. Bradley, Jr., B.S., M.A.	.....	Assistant Registrar
Mrs. Meredith A. Bryan	.....	Secretary, AFROTC
Mrs. Irene B. Byrd	.....	Secretary to the President
Mrs. Raimelle Carter	.....	Secretary to the Dean of Women
Leo Davis, B.A., M.S.	.....	Director of the Student Enterprises
Mrs. Frances Duncan	.....	Assistant Hostess, Mynders Hall
Mrs. Evelyn P. Fisher, B.S.	.....	Secretary, School of Business Administration
Mrs. Lillian Glover	.....	PBX Operator
Mrs. Rebecca Greaves	.....	Secretary, Training School
Mrs. Hilde Haggh	.....	Secretary, Graduate School
Mrs. Helen Hansard	.....	Secretary, Athletic Office
Mrs. Nell Haynes	.....	Hostess, Mynders Hall
Ray Herzog	.....	Engineer
Mrs. Doris Y. Herzog	.....	Hostess
Caroline Hill	.....	Secretary to the Librarian
Jo Anne Howell	.....	Cashier
Dr. A. G. Hudson	.....	University Physician
Aileen Hurley	.....	Secretary to the Regional Supervisor of Instruction
Ethel Lewis	.....	Secretary to the Dean
Mrs. Velma May	.....	Hostess, Mynders Hall, West
Mrs. Ada Morris	.....	Assistant Hostess, Mynders Hall, West
Robert C. Osburn, B.S.	.....	Assistant to the Registrar
Kathryn Quisenberry	.....	Assistant to the Cataloger
Mrs. Novalyn Smothers	.....	Recorder
Mrs. Mary Agnes St. John	.....	Hostess, Student Center
Mrs. Anne L. Taylor	.....	Hostess, Scates Hall
James H. Taylor	.....	Assistant Bursar
Janet Thomasson, B.S.	.....	Secretary to the Registrar
Mary Jo Tingle	.....	Certification Clerk, School of Education
Virginia Ann Vinson	.....	Secretary to the Registrar
Mrs. Margaret H. Warno	.....	Manager, Bookstore
Mrs. Sherry L. Weaver	.....	Secretary, School of Education
Eunice Whitaker	.....	Secretary to the Bursar
Harry Woodbury	.....	Alumni Secretary and Director of Public Relations
Mrs. Sarah J. Wynn, B.A., M.A.	.....	Secretary, School of Arts and Sciences

**FACULTY COMMITTEES FOR 1956-57**

**The President of the University is ex officio member of all committees.**

**ADMINISTRATIVE:** Administrative Officers and Chairmen of Departments

**ATHLETIC:** Robison, Curlin, Davis, Coltharp, Humphreys, R. W. Johnson, Mitchell, Newport

**DESOTO:** Williams, Dana Johnson, Newport, Chairman of Student Government and Editor of the DeSoto

**DISCIPLINE:** Rawls, C. S. Brown, Clark, Haynes, Robison

**ENTRANCE AND CREDITS:** Clark, Kaltenborn, Markle, Roane, Rudolph, Rumble

**EXTENSION:** Crader, Story, Carson, Clark, Linskie

**FACULTY TENURE:** Carson, Fox, Miller, Phillips and Chairman of Department concerned

**LIBRARY:** Evans, Boom, E. L. Brown, Holmes, Jennings, Linskie, McGowan

**PUBLIC PROGRAMS:** Harris, Mitchell, Newport, Rawls, White

**RELIGIOUS ACTIVITIES:** Cornelius, Fox, Hudson, Lundy, Seay

**SCHOLARSHIPS AND LOANS:** Newport, Evans, Jennings, V. Johnson, Rawls

**STUDENT ACTIVITIES:** Rawls, Clark, Newport, Roane, Rumble, and four class presidents

**STUDENT ELECTIONS:** Mitchell, Carson, Clark, Rawls, Robison

**TIGER RAG:** Spencer, Coltharp, Heatherly, Humphreys, Newport, president of the student body, and editor of Tiger Rag

# UNIVERSITY FACULTY

1956-57

- J. MILLARD SMITH (1946).....*President*  
B.S. (1929), Memphis State College; M.A. (1930), George Peabody College for Teachers.
- WILLIAM CARTER ABBETT (1949).....*Instructor, English*  
B.S., (1948), Memphis State College; M.A. (1949), Vanderbilt University.
- MILDRED B. ALGEE (1953).....*Instructor, Library Service*  
B.S. (1931), Union University; M.A. (1951), George Peabody College for Teachers.
- EVAN B. ALLEN (1956).....*Assistant Professor, Air Science*  
B.S. (1947), Mississippi State College.
- CHARLES HENRY ALLGOOD, JR. (1955).....*Assistant Professor, Art*  
B.F.A. (1950), M.F.A. (1951), University of Georgia.
- HOLGER W. ANDERSEN (1949).....*Associate Professor, Psychology*  
B.A. (1926), Nebraska State Teachers College; M.A. (1930), University of Wyoming; Ph.D. (1937), George Peabody College for Teachers.
- SAM ANDERSON (1946).....*Associate Professor, Mathematics*  
B.A. (1929), Southwestern; M.A. (1932), George Peabody College for Teachers.
- AILEENE H. AYCOCK (1953).....*Assistant Librarian*  
B.S. (1940), Memphis State College; B.S. in Library Science (1941), George Peabody College for Teachers.
- GEORGE V. AYTON (1957).....*Assistant Professor, Air Science*  
B.A. (1956), Jackson College.
- WILLIAM E. BAILEY (1956).....*Instructor, Accountancy*  
B.S. (1952), Bowling Green College of Commerce; M.B.A. (1955), University of Mississippi.
- PETER BANNON (1947).....*Professor, English*  
B.A. (1936), M.A. (1937), Ph.D. (1943), State University of Iowa.
- MARY V. BATTLE (1956).....*Instructor, English*  
B.A. (1948), College of St. Teresa; M.A. (1954), Catholic University of America.
- EUGENE BENCE (1949).....*Assistant Professor, Speech and Drama*  
B.S. (1933), Memphis State College; M.A. (1949), Northwestern University.
- OLIN R. BLICKENSDECKER (1956).....*Assistant Professor, Music*  
B.A. (1941), High Point College; M.Mus. (1948), Cincinnati Conservatory of Music.
- AARON M. BOOM (1949).....*Associate Professor, History*  
B.A. (1940), M.A. (1941), University of Nebraska; Ph.D. (1948), University of Chicago.

## UNIVERSITY FACULTY—Continued

- DORRICE BRATCHER (1949).....*Assistant Librarian*  
B.A. (1939), Mississippi College; B.L.S. (1945), University of Chicago.
- WILLIAM A. BROTHERTON (1948).....*Instructor, Industrial Arts*  
B.S. (1948), Memphis State College; M.A. (1951), George Peabody College for Teachers.
- CARL D. BROWN (1952).....*Associate Professor, Biology*  
B.S. (1947), Oklahoma Baptist University; M.S. (1947), Louisiana State University; Ph.D. (1951), Iowa State College.
- CHARLES S. BROWN (1940).....*Associate Professor, History*  
B.A. (1931), Union University; M.A. (1940), George Peabody College for Teachers.
- E. L. BROWN (1947).....*Librarian*  
B.A. (1931), Berea College; B.S. in L.S. (1935), Peabody Library School; M.A. (1938), University of Michigan.
- LEON W. BROWNLIE (1952).....*Associate Professor, Education*  
B.S. (1939), Sul Ross State College; M.Ed. (1947), Ph.D. (1952), University of Texas.
- W. PIERCE CARSON (1950)  
.....*Professor and Director, School of Arts and Sciences*  
B.A. (1915), Furman University; M.A. (1916), University of Chicago; Ph.D. (1925), Columbia University.
- FLOYD CASEY (1956).....*Assistant Professor, English*  
B.A. (1944), Harding College; M.A. (1945), University of Missouri; Ph.D. (1951), University of Wisconsin.
- THEODORE CAWTHORN (1955).....*Instructor, Accountancy*  
B.S. (1955), Memphis State College.
- MARTIN CHANIN (1956).....*Associate Professor, Chemistry*  
B.A. (1942), University of Pennsylvania; M.S. (1944), Ph.D. (1946), University of Michigan.
- LOUISE CAMBRON CHAPMAN (1950).....*Assistant Professor Marketing*  
B.S. (1947), Southeast Missouri State College; M.A. (1949), University of Iowa.
- R. P. CLARK (1946).....*Registrar*  
B.S. (1928), Memphis State College; M.A. (1933), George Peabody College for Teachers.
- DON P. CLAYPOOL (1956).....*Associate Professor, Chemistry*  
B.S. (1946), Tulane University; M.S. (1950), Ph.D. (1952), University of Kentucky.
- ELLEN COHEN (1956).....*Instructor, Psychology*  
B.A. (1943), M.A. (1946), Wellesley College.
- R. J. COLTHARP (1945).....*Professor, Industrial Arts*  
B.A. (1927), Wesmar College; M.S. (1938), Kansas State College.

UNIVERSITY FACULTY—Continued

- SAMUEL R. CORNELIUS (1949)..... *Professor, English*  
B.A. and B.S. (1941), Maryville College; M.A. (1943), Vanderbilt  
University; Ph.D. (1948), University of Pittsburgh.
- E. EARL CRADER (1952)..... *Professor, Education*  
B.S. (1928), Southeast Missouri State College; M.A. (1946), Ph.D.  
(1952), George Peabody College for Teachers.
- EDWARD IRWIN CRAWFORD (1946)  
..... *Professor and Director, School of Business Administration*  
B.S. (1916), University of Washington; M.S. (1936), University of  
Southern California; Ed.D. (1946), New York University.
- ZACH CURLIN (1924)..... *Assistant Prof., Health and Physical Ed.*  
B.A. (1941), Vanderbilt University; LL.B. (1919), University of  
Memphis.
- BEN F. CURRY (1955)..... *Associate Professor, Management and Finance*  
B.A. (1940), Florida Southern College; M.A. (1942), Ph.D. (1956),  
University of North Carolina.
- LEO DAVIS (1939)..... *Associate Professor, Health and Physical Education*  
B.A. (1933), Bethel College; M.A. (1941), George Peabody College  
for Teachers.
- OLIVE LOUISE MOSS DAVIS (1954)..... *Instructor, Education*  
B.S. (1940), Mississippi-Southern; M.A. (1954), Memphis State  
College.
- PAUL EVERETT DAVIS (1955).....  
..... *Instructor, Health and Physical Education*  
B.S. (1947), University of Mississippi; M.A. (1955), Mississippi  
Southern.
- DORIS N. DEAKINS (1955)..... *Instructor, Health and Physical Education*  
B.S. (1949), University of Chattanooga; M.Ed. (1954), Woman's  
College of the University of North Carolina.
- CHARLES M. DORN (1954)..... *Instructor, Art Education and Education*  
B.S. (1950), M.A. (1950), George Peabody College for Teachers.
- PAUL B. EAHEART (1946)..... *Associate Professor, Music*  
B.S. in Mus. Ed. (1937), Memphis State College; M.A. (1946),  
Northwestern University.
- O. DEAN EHLERS (1956).....  
..... *Assistant Professor, Health and Physical Education*  
B.S. (1951), Central College; M.Ed. (1955), University of Missouri.
- LURAD R. ENGLAND (1955).....  
..... *Associate Professor, Curriculum and Instruction*  
B.S. (1938), M.A. (1947), Western Kentucky State College; Ph.D.  
(1952), George Peabody College for Teachers.
- BRODIE TRAVIS ESTES (1951)..... *Instructor, Chemistry*  
B.S. (1947); M.A. (1956), Memphis State College.

## UNIVERSITY FACULTY—Continued

- HENRY B. EVANS (1942).....*Professor, English*  
B.S. (1923), M.A. (1928), Ph.D. (1938), George Peabody College for Teachers.
- JOHN FARRIOR (1948).....*Associate Professor, English*  
B.A. (1939), M.A. (1944), Ph.D. (1954), University of North Carolina.
- JAMES L. FISHER (1955).....*Assistant Professor, Air Science*  
B.S. (1949), Siena College.
- LORETTA FLOYD (1956).....*Instructor, Health and Physical Education*  
B.S. (1946), Alabama State College for Women; M.A. (1947), New York University.
- RICHARD C. FONTAINE (1957).....*Assistant Professor, Air Science*  
B.A. (1951), Iowa State University.
- JESSE W. FOX (1947).....*Professor, Chemistry*  
B.S. (1931), M.A. (1937), George Peabody College for Teachers.
- CHESTER P. FREEMAN (1934).....*Associate Professor, Biology*  
B.S. (1921), Mississippi A.&M. College; M.A. (1923), George Peabody College for Teachers; M.S. (1927), University of Chicago; Ph.D. (1932), George Peabody College for Teachers.
- ROGER FRENCH (1956).....*Instructor, Health and Physical Education*  
B.S. (1956), University of Minnesota.
- HOWARD E. FRYE (1955).....*Instructor, Geography*  
B.S. (1951), Michigan State Normal College; M.A. (1954), University of Michigan.
- CHARLES GAISSER (1956).....*Assistant Professor, History*  
B.A. (1949), M.A. (1950), University of Mississippi; Ph.D. (1956), Yale University.
- JOHN R. GORDON (1947).....*Professor, Sociology*  
B.A. (1929), M.A. (1932), Baylor University; Ph.D. (1951), University of Texas.
- PERCY L. GUYTON.....*Associate Professor, Economics*  
B.S. (1927), Mississippi State College; M.B.A. (1932), Northwestern University; Ph.D. (1952), Duke University.
- MARY FRANCIS GYLES (1949).....*Assistant Professor, History*  
B.A. (1939), Woman's College, University of North Carolina; M.A. (1945), Ph.D. (1949), University of North Carolina.
- RAYMOND H. HAGGH (1950).....*Assistant Professor, Music*  
B. Mus. (1949), M.M. (1950), Northwestern University.
- WILLIAM F. HALCOMB (1956).....*Assistant Professor, Marketing*  
B.S. (1950), Southeast Missouri State College; M.S. (1956), University of Illinois.
- GEORGE J. HARRIS (1947).....*Professor, Music*  
B.A. (1936), Greenville College; M.M. (1947), Northwestern University.
- RALPH HATLEY (1947).....*Professor, Health and Physical Ed.*  
B.S. (1936), M.A. (1950), University of Tennessee.

UNIVERSITY FACULTY—Continued

- GABE C. HAWKINS (1956)..... *Professor, Air Science*  
B.S. (1940), Mississippi State College.
- HERSCHEL M. HAYES (1952).....*Assistant Professor, Chemistry*  
B.S. (1949), Middle Tennessee State College; M.A. (1950), George Peabody College for Teachers.
- \*FORD HAYNES, JR. (1954).....*Instructor, Education*  
B.S., (1941), M.A. (1954), Memphis State College.
- VELMA B. HEATHERLY (1932).....*Associate Professor, Modern Languages*  
B.S. (1928), M.A. (1932), George Peabody College for Teachers.
- MARY L. HEISKELL (1932).....*Associate Professor, Modern Languages*  
B.A. (1917), University of Wisconsin; M.A. (1931), University of Chicago.
- BESS L. HENDERSON (1927).....*Associate Professor, Home Economics*  
B.S. (1921), George Peabody College for Teachers; M.A. (1927), Teachers College, Columbia University.
- CLAIRE L. HENRY (1956).....*Instructor, Education*  
B.S. (1953); M.A. (1954), Memphis State College.
- ROWLAND M. HILL (1948).....*Professor, English*  
B.A. (1928), Dickinson College; M.A. (1929), Ph.D. (1941), Boston University.
- JOHN R. HIRSCHMANN (1956)..... *Instructor, Industrial Arts*  
B.S. (1953), Memphis State College.
- ELLA HODGES (1951).....*Assistant Librarian*  
B.S. (1914), Purdue University; B.L.S. (1923), University of Illinois.
- ELMORE HOLMES (1947).....*Professor, Chemistry*  
B.S. (1922), Princeton University; M.A. (1926), Columbia University; Ph.D. (1947) University of Tennessee.
- JACK D. L. HOLMES (1956)..... *Instructor, History*  
B.A. (1952), Florida State University; M.A. (1953), University of Florida.
- PERRY H. HOWARD (1954).....*Assistant Professor, Sociology*  
B.A. (1950), Harvard University; M.A. (1951), Ph.D. (1954), Louisiana State University.
- JOHN M. HOWELL (1954).....*Assistant Professor, Political Science*  
B.A. (1948), M.A. (1949), University of Alabama; Ph.D. (1954), Duke University.
- ROBERT N. HOWELL (1956)..... *Assistant Professor, Economics*  
B.S. (1939), M.S. (1948), Oklahoma A&M College; Ph.D. (1954), University of North Carolina.
- OWEN R. HUGHES (1921).....*Professor, Philosophy and Psychology*  
B.A. (1912), University of Tennessee; M.A. (1920), George Peabody College for Teachers.

\*On leave of absence, 1956-57.

## UNIVERSITY FACULTY—Continued

- CECIL C. HUMPHREYS (1947).....*Prof., Physical Ed., Director of Athletics*  
B.S. (1936), M.A. (1938), University of Tennessee.
- CHARLES CARROLL LJAMS (1947).....*Associate Professor, Physics*  
B.A. (1936), Union University; M.S. (1937), Ph.D. (1941), Vanderbilt University.
- FLORENCE V. ILLING, R.N. (1951).....*Director of Health Services*  
G.N. (1936), School of Nursing, Medical College of South Carolina;  
B.S. (1950), George Peabody College for Teachers; M.A. (1953), Memphis State College.
- LESLIE DAVIS JAMERSON (1955).....*Assistant Professor, Air Science*  
B.S. (1929), University of Tennessee.
- R. W. JENNINGS (1951)  
.....*Professor, Secretarial Science and Office Management*  
B.S. (1927), University of Iowa; M.A. (1928), Ph.D. (1949), University of Kentucky.
- DANA DOANE JOHNSON (1954).....*Professor, Art*  
B.A. (1937), Dartmouth; M.Ed. (1947), Ed.D. (1954), Boston University.
- GLENN ALBERT JOHNSON (1956)  
.....*Instructor, Health and Physical Education*  
B.A. (1924), Huntington College; M.A. (1930), Columbia University.
- RAYBURN W. JOHNSON (1925).....*Professor, Geography*  
B.S. (1924), M.A. (1925), George Peabody College for Teachers;  
Ph.D. (1936), University of Chicago.
- VIRGINIA LEE JOHNSON (1940).....*Assistant Professor, Secretarial Science*  
B.S. (1930), Memphis State College; M.S. (1944), University of Tennessee.
- HELEN H. KALTENBORN (1946).....*Instructor, Mathematics*  
B.A. (1931), Barnard College; M.A. (1934), Columbia University;  
Ph.D. (1938), University of Michigan.
- H. S. KALTENBORN (1946).....*Professor, Mathematics*  
B.S. (1928), Carnegie Institute of Technology; M.S. (1931), Ph.D. (1934), University of Michigan.
- EVELYN KEMPE (1952).....*Instructor, Speech and Drama*  
B.A. (1947), Simpson College; M.A. (1951), University of Alabama.
- JOHN DILLINGHAM KIRBY (1954).....*Associate Professor, Economics*  
B.A. (1927), University of Illinois; M.A. (1930), Northwestern University; Ph.D. (1952), University of Texas.
- JAMES C. KNEPTON, JR. (1955).....*Instructor, Biology*  
B.S. (1949), M.S. (1951), University of Florida.
- FREDERIC O. LARRABEE (1954)  
.....*Associate Professor, Management and Finance*  
B.A. (1927), LLB (1930), State University of Iowa.

## UNIVERSITY FACULTY—Continued

- CARL H. LINDEN (1947).....*Associate Professor, German*  
B.A. (1936), Wayne University; M.A. (1937), Ph.D. (1940), University of Michigan.
- ROSELLA LINSKIE (1956).....*Professor, Education*  
B.A. (1939), Our Lady of Victory College; M.A. (1942), Catholic University of America; Ph.D. (1956), University of Texas.
- MOZELLE LUNDY (1946).....*Associate Librarian*  
B.A. (1934), University of Tennessee; B.S. in Library Science (1942), Peabody Library School.
- ELNA BROWNING McBRIDE (1946).....*Associate Professor, Mathematics*  
B.S. (1930), M.S. (1931), University of Tennessee.
- JAMES R. McCANN (1955).....*Assistant Professor, Psychology*  
B.A. (1950), Washington University; M.A. (1952), University of Kansas City; Ph.D. (1955), Vanderbilt University.
- McCLURKIN, JOHN IRVING, JR. (1956).....*Assistant Professor, Biology*  
B.S. (1934), University of Arkansas; M.S. (1935), University of Colorado; Ph.D. (1953), Stanford University.
- GENORA McFADDEN (1952).....*Associate Professor, Education*  
B.S. (1928), University of Virginia; M.A. (1931), University of Michigan; Ph.D. (1948), George Peabody College for Teachers.
- ROBERT W. McGOWAN (1949).....*Assistant Professor, Biology*  
B.A. (1946), Lambuth College; M.A. (1947), George Peabody College for Teachers.
- WAYNE McLAURIN (1950).....*Instructor, English*  
B.A. (1948), Memphis State College; M.A. (1950), Duke University.
- JOHN McLEMORE (1956).....*Instructor, English*  
B.S. (1956), Memphis State College; M.A. (1957), Memphis State College.
- \*WILLIAM McMAHON (1954).....*Instructor, English*  
B.A. (1948), Hendrix College; M.A. (1951), University of Chicago.
- C. H. McNEES (1946).....*Assistant Professor, Chemistry*  
B.S. (1928), Arkansas State Teachers College; M.A. (1935), George Peabody College for Teachers.
- BEATRICE E. McNEILL (1955).....  
*Instructor, Health and Physical Education*  
B.S. (1954), Wake Forest; M.S. (1955), MacMurray College.
- HERBERT J. MARKLE (1951).....*Professor, Management and Finance*  
B.B.A. (1932), University of Minnesota; M.A. (1949), Ph.D. (1951) State University of Iowa
- JAMES S. MATTHEWS (1949).....*Associate Professor, Geography*  
B.S. (1936), M.A. (1941), Kent State University; Ph.D. (1949), University of Chicago.

## UNIVERSITY FACULTY—Continued

- WILLIAM D. MILLER (1948).....*Associate Professor, History*  
B.A. (1939), University of Florida; M.A. (1943), Duke University;  
Ph.D. (1953), University of North Carolina.
- WILLIAM H. MILNER (1948).....*Associate Professor, Management and Finance*  
B.A. (1916), University of Alabama; M.A. (1922) George Peabody  
College for Teachers.
- CHARLES R. MINTON (1955)  
.....*Assistant Professor, Management and Finance*  
B.S. (1949), M.S. (1951), University of Kentucky.
- ENOCH L. MITCHELL (1939).....*Professor, History*  
B.S. (1929), Memphis State College; M.A. (1938), George Peabody  
College for Teachers.
- NELLE MOORE (1956).....*Assistant Professor, Education*  
B.A. (1930), Lambuth College; M.A. (1946), Duke University.
- THOMAS R. MORRIS (1956).....*Instructor, Health and Physical Education*  
B.S. (1954), Mississippi State College.
- CHARLES F. NAGY (1951).....*Associate Professor, Accountancy*  
B.S. (1947), M.S. (1949), Indiana State College; CPA (1952), Ten-  
nessee.
- DELBERT P. NAVE (1950).....*Instructor, Industrial Arts*  
B. Ed. (1934), Eastern Illinois State Teachers College; M.A. (1939),  
Ohio State University.
- EMIL C. NEMITZ (1954).....*Instructor, Chemistry*  
B.S. (1922), University of Illinois; M.A. (1955), Memphis State  
College.
- LEE N. NEWCOMER (1949).....*Associate Professor, History*  
B.A. (1935), DePauw University; M.A. (1936), Ohio State University;  
Ph.D. (1948), Columbia University.
- ROBERT LEE OGLE (1955).....*Instructor, Industrial Arts*  
B.S. (1953), University of Tennessee.
- WILLIAM R. OSBORNE (1955).....*Assistant Professor, English*  
B.A. (1948), Ouachita College; M.A. (1949), Ph.D. (1955), George  
Peabody College for Teachers.
- GEORGE W. PARCHMAN (1951).....*Assistant Professor, Biology*  
B.S. (1948), M.A. (1949), George Peabody College for Teachers.
- HERMAN F. PATTERSON (1955)  
.....*Instructor, Secretarial Science and Office Management*  
B.S. (1949), Berea College; M.A. (1954), University of Kentucky.
- ELIZABETH C. PHILLIPS (1953).....*Assistant Professor, English*  
B.A. (1928), Maryville College; M.A. (1949), Ph.D. (1953), Univer-  
sity of Tennessee.
- MEREDITH POOLE (1955).....*Instructor, Mathematics*  
B.A. (1950), M.A. (1955), University of Mississippi.

UNIVERSITY FACULTY—Continued

- LARRY H. POTTER (1952).....*Assistant Professor, Mathematics*  
A.B.E. (1943), M.A. (1949), University of Florida.
- CHARLES A. RAEBECK (1955) .....  
*Associate Professor, Curriculum and Instruction*  
B.S. (1949), B.A. (1950), Ed.D. (1955), Duke University.
- NOEL G. RAPP (1954).....*Assistant Professor, Speech and Drama*  
B.A. (1941), Kent State University; Ph.D. (1955), Purdue University.
- FLORA RAWLS (1947).....*Professor and Dean of Women*  
B.A. (1925), M.A. (1930), Vanderbilt University.
- HENRY L. REEVES (1953).....*Instructor, Mathematics*  
B.S. (1947), University of Alabama; M.A. (1951) George Peabody College for Teachers.
- JOSEPH H. RIGGS (1955).....*Instructor, Speech and Drama*  
B.A. (1952), Alderson-Broadbush; M.A. (1953), West Virginia University.
- JOSEPH RILEY (1954).....*Instructor, English*  
B.S. (1949), Memphis State College; M.A. (1953), Vanderbilt University.
- ELMA ROANE (1946)  
.....*Assistant Professor and Director of Women's Physical Education*  
B.S. (1940), Memphis State College; M.S. (1943), University of Tennessee.
- JOHN L. ROBERTS (1954).....*Assistant Professor, Marketing*  
B.S. (1948), Eastern Illinois State College; M.A. (1950), George Peabody College for Teachers.
- R. M. ROBISON (1946).....*Dean*  
B.A. (1924), Southwestern; M.A. (1931), George Peabody College for Teachers.
- A. S. RUDOLPH (1945).....*Professor, Biology*  
B.S. (1924), Western Kentucky State Teachers College; M.S. (1929), University of Kentucky, Ph.D. (1938), Iowa State College.
- HEBER ELIOT RUMBLE (1946).....*Professor, Education*  
B.A. (1924), Oakland City College; M.A. (1933), Ph.D. (1943), University of Illinois.
- CLAUDE E. RUSSELL, JR. (1954).....*Assistant Professor, Air Science*
- LADA SANDS (1951).....*Instructor, Home Economics*  
B.S. (1939), Memphis State College.
- JOHN E. SCHWAIGER (1956).....*Laboratory Assistant, Chemistry*  
B.S. (1940), Memphis State College.
- LOWELL K. SCHMID (1955).....*Assistant Professor, Air Science*  
B.A. (1928), Pomona College.
- E. B. SCOTT, JR. (1955).....  
*Assistant Professor, Health and Physical Education*  
B.A. (1947), M.A. (1948), Colorado State College of Education; H.S.D. (1953), P.E.D. (1954), Indiana University.

## UNIVERSITY FACULTY—Continued

- DOROTHY SEAY (1950).....*Associate Professor, English*  
B.A. (1918,) Randolph Macon; M.A. (1927), Ph. D. (1941), University of Chicago.
- \*DARRELL D. SIMMONS (1950).....*Instructor, Industrial Arts*  
B.S. (1940), Arkansas State Teachers College; M.S. (1949), Oklahoma A & M College.
- PAUL H. SISCO (1947).....*Associate Professor, Geography*  
B.S. (1934), Memphis State College; M.A. (1947), George Peabody College for Teachers; Ph.D. (1954), University of Chicago.
- ALFRED WINN SMITH (1954).....*Assistant Professor, English*  
B.A. (1933), M.A. (1934), Vanderbilt University; Ph.D. (1954), George Peabody College for Teachers.
- WALTER R. SMITH (1951).....*Associate Professor, English*  
B.A. (1939), Lambuth College; M.A. (1940), Southern Methodist University; Ph.D. (1951), University of California.
- KATHERINE HINDS SMYTHE (1955).....*Instructor, English*  
B.A. (1953), Southwestern; M.A. (1954), Duke University.
- L. E. SNYDER (1933).....*Instructor, Geography*  
B.S. (1931), M.A. (1932), George Peabody College for Teachers.
- JOHN A. SOBOL (1949).....*Assistant Professor, Geography*  
B.S.E. (1942), State Teachers College at Fitchburg; M.A. (1949), Clark University.
- GEORGE R. SOIKA (1952).....*Assistant Professor, Psychology*  
B.A. (1948), Birmingham-Southern College; M.A. (1950), Ph.D. (1953), George Peabody College for Teachers.
- D. CREIGHTON SOSSOMON (1951).....*Associate Professor, History*  
B.A. (1942), M.A. (1948), Ph.D. (1953), University of North Carolina.
- ELIZABETH SUPPLEE SPENCER (1956).....*Instructor, Journalism*  
B.A. (1937), Cornell University; B.J. (1940), M.A. (1941), University of Missouri.
- JESSE W. SPICELAND (1949).....*Associate Professor, Accountancy*  
B.S. (1947), Southern Illinois University; M.S.B.A. (1948), Washington University; CPA (1951), Tennessee.
- CHARLES R. SPINDLER (1950).....*Associate Professor, Marketing*  
B.S. (1939), Northeast Missouri State Teachers College; M.A. (1942), State University of Iowa.
- BASCOM H. STORY (1951).....*Professor and Director, School of Education*  
B.S. (1934), North Texas State Teachers College; M.A. (1941), Southwest Texas State Teachers College; Ed. D. (1949), University of Texas.
- CALVIN M. STREET (1939).....*Professor, Industrial Arts*  
B.S. (1939), Memphis State College; M.S. (1946), Ed. D. (1953), University of Tennessee.

\*On leave of absence, 1956-57.

**UNIVERSITY FACULTY—Continued**

- DONALD C. STREETER (1948).....*Professor, Speech and Drama*  
B.S. (1933), University of Minnesota; M.A. (1938), Ph.D. (1948),  
State University of Iowa.
- RAYMOND LEWIS TANNER (1955).....*Instructor, Physics*  
B.S. (1953), Memphis State College; M.S. (1955), Vanderbilt Uni-  
versity.
- HERMAN EUGENE TAYLOR (1956)  
.....*Assistant Professor, Management and Finance*  
B.A. (1940), LLB (1951), University of Mississippi; LL.M. (1955),  
New York University.
- EDWIN K. TESTER (1956).....*Assistant Professor, Air Science*  
B.S. (1948), University of Arkansas.
- JAMES T. THOMPSON (1955).....*Assistant Professor, Accountancy*  
B.A. (1948), Murray State College; M.B.A. (1949), Indiana Uni-  
versity.
- WAYLAND A. TONNING (1956).....*Assistant Professor, Marketing*  
B.S. (1953), M.S. (1954), University of Illinois.
- CLARENCE L. UNDERWOOD (1950).....*Associate Professor, Education*  
B.S. Agr. (1918), West Virginia University; M.S. (1920), Ohio State  
University; Ph.D. (1935), University of Pittsburg.
- BUFORD C. UTLEY (1956).....*Assistant Professor, History*  
B.S. (1951), Memphis State College; M.A. (1953), George Washing-  
ton University.
- ROBERT VANATTA (1956)  
.....*Associate Professor, Health and Physical Education*  
B.A. (1942), Central College; M.A. (1950), University of Missouri.
- DAVID T. WALKER (1955).....*Assistant Professor, Mathematics*  
B.S. (1949), Wofford College; M.S. (1951), Ph.D. (1955), University  
of Georgia.
- ALMA WHITAKER (1947).....*Assistant Professor, Home Economics*  
B.S. (1929), Memphis State College; M.S. (1941), University of Ten-  
nessee.
- BRADFORD WHITE (1948).....*Professor, Speech and Drama*  
B.A. (1934), University of North Carolina; M.F.A. (1937), Yale  
University.
- HERBERT LEE WILLIAMS (1956).....*Professor, Journalism*  
B.A. (1940), Murray State College; M.A. (1941), University of Mis-  
sissippi; Ph.D. (1955), University of Missouri.
- DALE WOODS (1954).....*Instructor, Mathematics*  
B.S. (1943), Southwest Missouri State; M.S. (1950), Oklahoma  
A. and M.

**UNIVERSITY FACULTY—Continued**

LAWRENCE WYNN (1950).....*Associate Professor, English*  
B.A. (1936), Emory University; M.A. (1940), Duke University; M.A.  
(1947), Ph.D. (1951), Princeton University.

\*CEDRIC ARNOLD YEO (1955).....  
*Associate Professor, Classical and Modern Languages*  
B.A. (1928), Dalhousie University; Ph.D. (1933), Yale University.

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\*Resigned November, 1956.

## SPECIAL INSTRUCTORS

- AKI K. BERFIELD.....*Management and Finance*  
LLB (1951), University of Mexico.
- EDWARD A. BROWN (1956).....*English*  
B.S. (1953), M.A. (1955), Memphis State College.
- A. C. BURCHETT, JR. (1957).....*Mathematics*  
B.S. (1923), University of Tennessee.
- FRANK JAMES COBLE.....*Psychology*  
B.A. (1940), Lambuth College; M.A. (1953), George Peabody College  
for Teachers.
- VINCENT DE FRANK (1952).....*Music*  
Violoncello student of Percy Such, George Miguelle, Fritz Magg;  
conducting with Serge Koussevitzky. Former member of Detroit  
and St. Louis Symphony Orchestras. Conductor, Memphis Sin-  
fonietta.
- S. J. DOYLE (1955).....*Marketing*  
B.S. (1948), University of Pennsylvania
- PAUL A. FLOWERS (1956).....*Political Science*  
B.A. (1940), M.A. (1942), Ohio State University.
- NOEL GILBERT (1948).....*Music*  
Student of Joseph Henkel, Scipione Guidi. Concert-master, Mem-  
phis Symphony Orchestra. Conductor, Memphis Concert Orchestra.
- FRANK H. GOVAN (1956).....*Art*  
B.A. (1938), Hendrix College; M.A. (1951), Columbia University.
- MILDRED F. GROOMS (1956).....*Spanish*  
B.S. (1936), Memphis State College; M.A. (1945), University of  
Chicago.
- RALPH G. HALE (1952).....*Music*  
Student of Frank Simon, Tilden Well. President Music Camp of  
the Ozarks. Director of Bands, Christian Brothers College, Mem-  
phis, Tennessee.
- E. RAYMOND LEDBETTER (1957).....*Mathematics*  
B.S. (1937), University of Tennessee.
- ETHEL TAYLOR MAXWELL (1952).....*Music*  
B.A. (1936), Southwestern; M.A. (1956), Memphis State College.  
Voice student of Arthur Wrege, Jean Teslof, Estelle Liebling;  
opera with Luigi Rossi. Soprano soloist, Unity Church of Chris-  
tianity. Supervisor of Music, Lausanne School, Memphis, Tennessee.

## SPECIAL INSTRUCTORS—Continued

- LEA GIBBS PARK (1954).....*Speech and Drama*  
B.S. (1956), Memphis State College.
- HAROLD WINSTON PERRY (1956).....*Curriculum and Instruction*  
B.A.E. (1949), M.A. (1949), University of Mississippi.
- CHARLES E. POOL.....*History*  
B.A. (1949), Southwestern; M.A. (1950), University of Mississippi;  
LL.B. (1955), Southern Law University.
- JEROME P. ROBERTSON (1948).....*Music*  
Student of Percy Rector Stephens, 1921-23; Enrico Rosati, 1924-25;  
Robert Hosea, 1926-27; Basil Ruysdael, 1928; Albert Jenotte, 1929;  
Gaetano DeLuca, 1930. Director of Music, Second Presbyterian  
Church, Memphis.
- MADGE ELIZABETH STORY (1956).....*Curriculum and Instruction*  
B.A. (1934), North Texas State College; M.A. (1954), Memphis State  
College.
- LORRAINE F. STREETER (1948).....*English*  
B.A. (1929), Cornell College; M.A. (1940), University of Iowa.
- MINAPERLE TAYLOR (1948).....*Music*  
B.A. (1923), M.M. (1925), Chicago Musical College. Voice student  
of Burton Thatcher, Berlle Forbes Cutter, Percy Rector Stephens,  
Herbert Witherspoon, William S. Brady, Richard Hageman, Oscar  
Sanger.
- THOMAS H. WEBBER, JR. (1952).....*Music*  
Associate Degree, American Guild of Organists, 1929, Board of  
Regents, New York University. Director of Music, Idlewild Pres-  
byterian Church, Memphis, Tennessee.
- GOUGH WHEAT (1956).....*Mathematics*  
B.S. (1949), M.S. (1954), Memphis State College.

# TRAINING SCHOOL FACULTY

1956-57

- MORGAN CHRISTIAN (1954).....*Principal*  
B.A. (1931), Western Kentucky State; M.A. (1947), George Peabody College for Teachers.
- PERRY ALEXANDER (1947).....*Supervising Teacher, First Grade*  
B.S. (1950), M.A. (1953), Memphis State College.
- MARY ANDERSON (1951).....*Supervising Teacher, Third Grade*  
B.S. (1947), Memphis State College; M.A. (1952), George Peabody College for Teachers.
- ESSIE BOALS (1955).....*Supervising Teacher, Mathematics, Latin*  
B.S. (1932), George Peabody College for Teachers.
- OPAL COLEMAN (1931).....*Supervising Teacher, Third Grade*  
B.S. (1925), Texas State College for Women; M.A. (1932), George Peabody College for Teachers.
- MARY DUNN (1924).....*Supervising Teacher, Second Grade*  
B.S. (1928), M.A. (1932), George Peabody College for Teachers.
- SARAH LEE FOSTER (1955)....*Supervising Teacher, Mathematics, Science*  
B.S. (1952), University of Tennessee.
- B. E. FULGHUM (1948).....*Supervising Teacher, Physical Education*  
B.S. (1930), Memphis State College; M.A. (1942), George Peabody College for Teachers.
- ELBA GANDY (1948).....*Supervising Teacher, Music*  
B.M.E. (1944), Louisiana State University; M.M. (1946), Northwestern University.
- MILDRED GRAGG (1949).....*Supervising Teacher, English*  
B.S. (1941), Memphis State College; M.A. (1948), George Peabody College for Teachers.
- JANET TADLOCK JENNINGS (1952).....*Supervising Teacher, First Grade*  
B.A. (1940), M.A. (1946), University of Kentucky.
- HELEN KIRBY (1943).....*Supervising Teacher, Sixth Grade*  
B.S. (1929), M.A. (1945), George Peabody College for Teachers.
- GERLENE LIFER (1956).....*Supervising Teacher, First Grade*  
B.S. (1955), Memphis State College.
- JOHN ETHEL MEASELLS (1946).....*Librarian*  
B. S. (1931), Memphis State College; M.A. (1946), B.S. in Library Science (1951), George Peabody College for Teachers.
- IRENE MOORE (1929).....*Supervising Teacher, Fifth Grade*  
B.S. (1929), Memphis State College; M.A. (1940), University of Texas.

## TRAINING SCHOOL FACULTY—Continued

- DELBERT P. NAVE (1950).....*Part-time Supervising Teacher, Industrial Arts*  
B. Ed. (1934), Eastern Illinois State Teachers College; M.A. (1939),  
Ohio State University.
- VIVIAN NEWMAN (1953).....*Supervising Teacher, Second Grade*  
B.S. (1937); M.A. (1954), Memphis State College.
- ANNIE LAURIE PEELER (1930).....*Supervising Teacher, Sixth Grade*  
B.S. (1929), M.A. (1930), George Peabody College for Teachers.
- FRANCES H. PETERS (1955).....*Supervising Teacher, Third Grade*  
B.S. (1942), Memphis State College.
- NANCY ROGERS (1956).....*Supervising Teacher, Fourth Grade*  
B.S. (1951), Mississippi State College for Women; M.E. (1954),  
University of Mississippi.
- LADA SANDS (1951).....*Part-time Supervising Teacher, Home Economics*  
B.S. (1939), Memphis State College.
- NELLE C. SHORT (1930-40) (1942).....*Supervising Teacher, English*  
B.S. (1928), M.A. (1929), George Peabody College for Teachers.
- JULIA THOMAS (1947).....*Supervising Teacher, Second Grade*  
B.S. (1947), Memphis State College; M.A. (1951), George Peabody  
College for Teachers.
- HAWTHORNE WALLIS (1955).....*Supervising Teacher, Social Science*  
B.S. (1939), M.A. (1947), Murray State College.
- EVELYN WARR (1949).....*Supervising Teacher, Fifth Grade*  
B.A. (1930), University of Mississippi; M.A. (1952), Memphis State  
College.

### **HISTORICAL STATEMENT**

The State Normal Schools of Tennessee were established by an act of the General Assembly of 1909. That act is popularly known as the General Education Bill, and included appropriations for all public school agencies of the state. It provided that thirteen per cent of the State School Fund—which was thirty-three and one-third per cent of the gross revenues of the state—should be used for the establishment and maintenance of normal schools.

The law vested the location and control of the normal schools in the State Board of Education. Acting under this authority, the State Board of Education received proposals from various cities and counties in the state for the location of the normal schools, and finally decided upon the location of three schools for the training of teachers, as follows: West Tennessee State Normal School at Memphis, Shelby County; Middle Tennessee State Normal School at Murfreesboro, Rutherford County; and East Tennessee State Normal School at Johnson City, Washington County. These cities and counties made most generous appropriations in consideration of the location of the schools. Memphis and Shelby County issued bonds for the West Tennessee State Normal School to the amount of \$350,000 and donated a site of approximately fifty acres, to which was added thirty acres, the whole forming a beautiful campus now within the corporate limits of Memphis.

The school appropriations and the accumulation from the State School Fund for three years were invested in a magnificent main building and a dormitory, and the institution was formally opened on September 15, 1912. The West Tennessee school, like the other state institutions, which were opened the year previous, had a most gratifying attendance from the start; and the succeeding years have been even more successful.

### **PURPOSE OF THE UNIVERSITY**

The General Education Law of 1909, which created state normal schools, declared their purpose to be "the education and professional training of teachers for the elementary schools of the state." The Act of 1925 provided for teachers colleges and declared that the function of such colleges should be to prepare teachers for the public schools of the state. In accordance with these laws Memphis State University is preparing elementary and high school teachers, instructors and supervisors in special subjects, and principals and superintendents of county and city schools.

In order to meet more adequately the educational needs of this section of the state, the name of the college was changed by the state legislature in 1941 from "State Teachers College" to "Memphis State College," and the college began to offer subjects generally included in a liberal arts curriculum, and in addition many other subjects which are demanded by the public school system of the state. By 1950, Memphis State College had grown to such an extent that it was felt to be necessary to reorganize the college in order to serve more effectively the students of West Tennessee and the surrounding areas. By permission of the State Board of Education and by faculty action, the general college was divided into the following schools: Arts and Sciences, which was to offer preprofessional training and the basic liberal arts work; Business Administration, which was to provide a

program of professional training at the college level for those who wish business training; Education, which was to provide a program of teacher education which would promote the growth and development necessary for successful teaching; and a graduate school which was to offer a program leading to the Master of Arts degree with a major in education and with minors in various areas. In 1954 the graduate school increased its program by offering majors in English, Geography, and History in addition to the major in Education. The undergraduate program was expanded in the fall of 1956 by the opening of the Evening Division, which offers work in all three schools. In 1957 Memphis State College by legislative act was elevated to university status and became Memphis State University effective July 1, 1957.

### THE UNIVERSITY PLANT

**Location.**—Memphis State University is located on a campus of eighty acres in the eastern part of the city of Memphis.

**Administration Building.**—The administration building is an imposing structure containing the offices of the president, dean, registrar, bursar, and the directors of the several schools. The dean of women's office and the alumni office are also located in this building. In addition to classrooms for the departments of art, business administration, classical and modern languages, education, English, history, mathematics, music, philosophy and psychology, and social science, the administration building contains individual office space for the instructors in these departments.

**Manning Hall.**—The science building, erected in 1930, is named in honor of Priestly Hartwell Manning, who was the first teacher of science at Memphis State University, and a member of the first faculty which began work in the State Normal School in 1912.

The Department of Chemistry occupies the first floor and the basement level. In addition to modern laboratories and class rooms, the first floor contains the science auditorium, which is equipped for visual aids and is available for scientific lectures and demonstrations. The laboratories and the class rooms of the physics and biology departments are located on the second floor. The Department of Home Economics occupies the entire third floor of Manning Hall, which includes a demonstration apartment consisting of a living room, dining room, bedrooms, kitchen, closets, and store rooms.

**The Library Building,** erected in 1927, is named for former President John Willard Brister. It has recently been remodeled and expanded so that it will have a capacity of 150,000 volumes. The collection at present numbers 76,000 volumes. Subscriptions and files are maintained for periodicals of a general and specialized nature to fill the needs of the curriculum.

The funds appropriated for the use of the library enable the university to maintain the standards set by accrediting agencies.

**Mynders Hall East** is a fireproof building offering modern, attractive quarters to 178 upper-class women. Dormitory facilities include attractive parlors, sound proof music rooms, a laundry equipped with automatic washers, dryers, and ironers for the use of the students, a kitchen for use in entertaining, and a sun deck. Rooms are arranged in suites of two bedrooms with connecting tile bath. Most suites accommodate three girls; a few accommodate four. Each room has a closet for each occupant, single beds with innerspring mattresses, chest, desk, desk chairs, and easy chairs. Floors are covered with asphalt tile.

**Mynders Hall West**, completed in the summer of 1956, is a modern, well equipped dormitory planned to accommodate 165 freshmen women. Its facilities include attractive lobbies, date rooms, a recreation room, a laundry room, and a small kitchenette. Rooms are planned to accommodate two girls, and each is equipped with venetian blinds, two closets, a wash basin, full length mirror, and for each resident a single bed with innerspring mattress, a chest-desk, and a chair.

**Scates Hall** is a three story structure with a capacity of 136 men students. This building has a three-room apartment for the manager and his family. The halls are well lighted, sound proof, and air conditioned. Each room is equipped with furniture for from one to three occupants. All floors are of concrete and are covered with asphalt tile. Each room also contains two closets and two double electric outlets for study lamps and radios.

**Hayden Hall**, completed in the summer of 1952, is named in honor of the late Professor Grover H. Hayden, professor since 1918. Fireproof and modern in every detail, it is a two-story, three-unit building designed to house 72 men students.

**North Hall**, completed in February 1957, is a modern dormitory for men to be occupied by upper-classmen. Its 77 rooms, with entirely new furnishings, will accommodate 154 students. In addition, the building has two lobbies and a recreation room for students, and a two-bedroom apartment for the manager and his family.

**Training School.**—The Training School Building is designed to accommodate the elementary school and the junior high school. It has twenty-four classrooms, an auditorium, a library, and a cafeteria. The school has a normal enrollment of over 700, and furnishes facilities for training student teachers and opportunities for observing good teaching procedures.

**Gymnasiums.**—There are two buildings. One, erected in 1928, has offices for the teaching staff, two class rooms, and space for corrective exercises and recreational activities. This building is used for physical education classes for men and has shower and locker rooms for their use. The new building with a seating capacity of 4000 for basketball games was completed in 1951. It has shower and dressing facilities for the varsity athletic teams, and shower and locker rooms for women's physical education classes.

**Student Center.**—The University recognized the importance of providing a place where social life of students may be centered. The newly erected Student Center adjoins the cafeteria, and maintains a soda fountain, snack bar, and offers facilities for games, dancing, and group meetings. It is beautifully decorated and equipped in a modern manner. The second floor of the Student Center has sorority and fraternity rooms and quarters for the Pan-hellenic hostess.

**Cafeteria.**—The cafeteria, at the east end of the Student Center, is a newly decorated structure with a seating capacity of 500. The large and well-lighted kitchen is provided with all modern conveniences, including up-to-date ranges, ovens, and cold storage.

**AF-ROTC Building.**—The west end of the Student Center houses the AF-ROTC class rooms and offices for the AF-ROTC staff. This area also has been recently redesigned and redecorated to suit the needs of the military unit.

**The Power Plant.**—The power plant contains a battery of boilers for the heating of all the buildings on the campus.

**Industrial Arts Building.**—The industrial arts building was built in 1941 for the use of the N.Y.A. In 1946-47 it was remodeled and modernized. It is of concrete block construction, faced with brick veneer. It provides facilities for woodwork, drafting, metalwork, electricity, ceramics, photography, and general shop practices.

**Veterans Houses.**—Nineteen buildings were erected on the northern portion of the campus in 1946-47. The buildings provide housing facilities for 75 families. The buildings were erected by the F.P.H.A. to relieve the housing shortage for married veterans.

**University Auditorium.**—This auditorium is designed to seat approximately twelve hundred persons and is used for assemblies. The stage has been modernized to provide more adequately for the dramatic and musical productions that are sponsored by these departments.

**Health Center.**—Services of a physician and a registered nurse are provided for minor treatment and consultation in the University Health Service which is located on the first floor of the Administration Building. The student is responsible for arrangements for hospitalization or medical care beyond that offered by the Health Service. Parents of resident students will be notified by the Health Service if additional medical care is necessary.

**Bookstore.**—The University Bookstore is located on the first floor of the Administration Building. Here the students may purchase their textbooks and other supplies.

**Post Office.**—Each dormitory student is expected to rent a mailbox to facilitate the handling of his mail, and should have his mail addressed: Memphis State University Station, Memphis 11, Tennessee.

## GENERAL INFORMATION

**When to Enter:**—The academic year covers two semesters, and a summer session. Students may enter during the registration period of any of these terms.

The summer session carries courses for two accelerated six-week terms as well as full session courses.

During the summer session a student may carry approximately two-thirds of the number of hours that he would be allowed to carry during a full semester of work.

**How to Apply for Admission.**—Students desiring to enter Memphis State University for the first time should secure an application form from the Registrar's Office. This form, when completed, should be returned to the registrar. A student entering directly from high school should request his principal to mail an official transcript of his high school work; a student entering from another college should request the registrar of that institution to mail an official transcript to Memphis State University. Transcripts from all colleges previously attended must be received here.

All credentials, including the completed application form and the official transcript, should be on file in the Registrar's Office at least thirty days before the beginning of the term for which application is made. Applicants will be notified whether or not they have been approved for admission.

**Room Reservation.**—Students entering Memphis State University and wishing to live in the dormitories should make application at the earliest possible date. Rooms are reserved in the order in which applications are received. A deposit of \$15.00 is required for reservation, the amount of the fee being credited to the expense of the term. The reservation fee is refunded if notice of cancellation is received 30 days before the opening of the semester for which the reservation is made; it is not refunded on later notice.

Students living in the dormitories during the second semester and wishing to retain a room for the first semester of the next school year should make this reservation early in the spring.

Reservations for the women's dormitories are made with the Dean of Women; for the men's dormitories with the Dean of the University.

Women students not living at home are expected to live in the women's residence halls when space is available. Any exceptions to the above policy must be approved by the Dean of Women.

Upon registration, married veterans are eligible to apply to the Memphis State College Housing Authority for an apartment.

**What Students Furnish.**—Students expecting to live in the dormitories should bring the following articles: towels, bed linen, blankets, and a pillow. Students in the dormitories are required to keep their own rooms in order.

**Conduct.**—It is assumed that applicants for admission to Memphis State University are ladies and gentlemen and every consideration will be shown them as such until, by their own acts, they forfeit the confidence reposed in them. Rules of government and regulations in regard to general conduct are, of course, necessary. Whenever any number of people live together, each must forfeit some individual privilege for the general good. The rules and regulations are of such nature as to secure ready conformity and also sympathy and co-operation on the part of students in making them effective.

Possession of firearms or fireworks is prohibited. Students who bring firearms to the campus are subject to dismissal.

Students are expected to give their scholastic obligations first consideration, to be prompt and regular in attendance on all classes and examinations, and to observe properly the hours set apart for study by making diligent use of the same.

**Hazing.**—Any form of hazing is positively forbidden.

**Railway and Baggage.**—Memphis is easily reached by a number of railway and bus lines. Students coming to Memphis State University via the Southern Railway may get off at Buntyn, but trunks which they have checked will be carried to Union Station. Students make their own arrangements with transfer companies for delivery of their trunks and baggage to the dormitories.

**Special Advantages.**—In addition to the usual school advantages, the university offers its students many opportunities that are considered especially valuable.

All of the large libraries in the city of Memphis furnish free use of their books and buildings to the students of the university.

The students of this institution are given free admission to the lecture course of Goodwyn Institute, probably the most extensive and celebrated course of its kind in the United States. Students have the

opportunity of attending the performances of professional stage plays, grand and light operas, symphony orchestras, and other musical and theatrical artists.

Leading business and manufacturing enterprises of the city offer free inspection and study of their business methods and plants to classes of the university students accompanied by their instructors.

**Co-operation.**—Memphis State University regards itself as an integral part of the public school system of Tennessee and recognizes the need of the closest co-operation with the county and city school authorities. Accordingly, it constantly endeavors to serve faithfully all public school interests, especially by the preparation of better teachers for the schools. In this work it has uniformly received the hearty support of public school authorities.

**Placement Service.**—Memphis State University cannot guarantee positions to its graduates. It endeavors, however, to place students with satisfactory records in good positions. It invites county and city school authorities, business and industrial organizations to make use of its placement service in securing desirable teachers, office assistants, salesmen, chemists and physicists.

**Alumni Association.**—Memphis State University has recently reorganized its Alumni Association and now maintains active contact with most of its graduates. The association is for the mutual benefit of the graduates and the university. An Alumni Office is maintained in the Administration Building and has the services of a secretary and staff. Annual meetings of the association are held on the university campus each autumn in connection with the homecoming football game.

All graduates of Memphis State University are urged to keep in contact with the Alumni Office. Students in attendance at the university are invited to become acquainted with alumni activities.

### LOAN FUNDS

1. The University Loan Fund. The university has a revolving loan fund from which it makes loans in varying amounts to eligible students.

2. The Aull Loan Fund. A fund of \$250.00, contributed by Mrs. Genevieve Aull, is to be used for loans to members of the senior class who have demonstrated their scholastic eligibility by one or more years of satisfactory work in residence.

3. The United States Daughters of 1812 Loan Fund. This fund of \$650.00, donated by the Old Hickory Chapter, U.S.D., of 1812, Memphis, consists of three awards, as follows: (1) the Mary Robinson Day Memorial Scholarship of \$250.00; (2) the Martha Moore Allen Scholarship of \$250.00; and (3) the Willis Hitzing Scholarship of \$125.00. All three of these awards are loan funds, and may be awarded to a man or woman on recommendation of the faculty.

4. The Shelby County Parent-Teacher Association Loan Fund. This is a fund of \$602.38, available in varying amounts to eligible students who apply to the University Loan Fund Committee.

5. The American Association of University Women Loan Fund. This fund of \$200.00, administered by the Memphis Branch of the A.A.U.W., is available to women students recommended by the university.

6. The John W. Brister Loan Fund. On the occasion of the twenty-first birthday celebration of the university, the members of the faculty presented a fund of \$150.00 to be named in honor of the late President John Willard Brister.

7. The Class of 1933 Loan Fund. This fund of \$102.00 was donated by the Class of 1933 as a class memorial.

8. The Quota Club Loan Fund. This is a fund administered by the Quota Club of Memphis. Women students of junior or senior rank are eligible to receive loans from this fund. Applications may be made to Mrs. Ellen Davies Rodgers, Chairman of the Education Committee of the Memphis Quota Club.

9. The Zonta Club Loan Fund. The Zonta Club of Memphis has established a loan fund of \$250.00, to be increased from year to year. Eligible junior and senior women may apply to the dean of women, who will submit their names to a committee of the Zonta Club for selection and approval.

10. The Ernest C. Ball Loan Fund. This fund of \$280.36 is available for loans to eligible students.

11. The Marion Circle Loan Fund. This fund of \$100.00 is available for loans to eligible students.

12. The Kappa Lambda Sigma and Phi Lambda Delta Loan Fund. This fund of \$206.00 was presented by the Kappa Lambda Sigma sorority and the Phi Lambda Delta fraternity in memory of those Phi Lambda Deltas who lost their lives in World War II.

Except as otherwise specified, applications for loans from any of the funds listed above should be made to Mr. Lamar Newport, Chairman of the Scholarships and Loans Committee.

### **SCHOLARSHIPS**

1. The P. H. Manning Scholarship Fund. The late Professor P. H. Manning left the bulk of his estate to be used by the State Board of Education to provide scholarships for young men students meeting certain conditions set forth in his will. These scholarships of \$100.00 each are given to young men from the counties of Gibson, Henderson, Carroll, and Decatur. Application should be made to Mr. Lamar Newport, Chairman of the Scholarships and Loans Committee.

2. The American Association of University Women Scholarship. The Memphis Branch of the A.A.U.W. awards a \$200.00 scholarship on alternate years to a senior woman for graduate study. In making the award the following points are considered: (1) the scholarship record of the applicant for the semester preceding January 25; (2) the need for financial assistance; (3) intention to graduate from the university; and (4) general acceptability. Applications for this scholarship are to be made by January 25 of each year to the A.A.U.W. Scholarship Committee, through the dean of women.

3. The Robert H. Parish, Jr., Memorial Scholarship amounting to \$150.00 annually is a four year scholarship offered each year to a male graduate of East High School, Memphis, Tennessee. The scholarship is a memorial established by Mr. and Mrs. Robert H. Parish of Memphis to their son, Robert H. Parish, Jr.

4. The Arabesque Music Scholarship began in 1949. The recipient is awarded \$63.00 a semester to a total of \$126.00. To receive this award the applicant must be or plan to become a music major, have and maintain a C average, need financial assistance, and be approved by the Arabesque Club. Applications for this scholarship should be made to the Music Scholarship Committee.

5. The Canterbury Club Scholarship of \$250.00 for the academic year will be awarded on the basis of scholarship, need of assistance, and good character. Application should be made before April 1, 1958, to Dr. M. F. Gyles, Box 486, Memphis State University.

6. The Sertoma Club-Robert Talley Journalism Scholarship has been established to honor a long-time member of the editorial staff of the Memphis Commercial Appeal. Each year the Sertoma Club of Memphis awards a scholarship valued at \$120.00 to an advanced journalism student who has shown outstanding work at Memphis State University. Applications for this scholarship should be made to the Director of the School of Arts and Sciences.

7. The Department of Social Sciences offers a scholarship of \$125.00 per annum to outstanding students desiring to work in economics, geography, political science or sociology. Either a boy or girl is eligible for this award. Scholarships are not open to freshman students who did not finish in the upper 10% of their graduating class. For further information call or write the Chairman of the Department of Social Sciences.

8. The Nellie Angel Smith Scholarship, established in honor of Dr. Smith by friends and former students, provides an annual scholarship of \$100.00 to a student from West Tennessee wishing to major in Latin. Applications for this scholarship should be made by May 1st each year through the Dean of Women's office.

9. For several years, the women of The Coterie, an organization interested in the arts and philanthropies in those fields, has provided scholarships for young women for the purpose of continuing their study of the fine arts. The Coterie sponsors the annual Shakespeare Festival in order to secure funds for the scholarships.

### AWARDS

The Women's Association of the university offers an award annually to the woman member of the senior class who, having done all her work at this institution, shows the highest scholastic attainment.

The international fraternity of Delta Sigma Pi annually awards a scholarship key to the senior man majoring in business administration with the highest scholastic average.

The City Pan-hellenic Association makes an award each year to the sorority woman in the graduating class with the highest average.

## STUDENT ACTIVITIES

Student activities provide opportunities for recreation, for developing interests, and for building leadership and initiative.

**Student Government.**—Student affairs are under the direction of an association of student representatives. The officers of the student government are a president, vice president, and a secretary.

**Sororities and Fraternities.**—The following national sororities and fraternities have chapters on the campus: for women, Alpha Delta Pi, Alpha Gamma Delta, Alpha Xi Delta, Delta Zeta, Phi Mu, and Sigma Kappa; for men, Kappa Alpha, Kappa Sigma, Lambda Chi Alpha, Phi Epsilon Pi, Pi Kappa Alpha, Sigma Alpha Epsilon, Sigma Chi, Sigma Phi Epsilon and Alpha, a local group. Students carrying as many as 12 hours and maintaining a "C" average for the preceding semester may become members on invitation.

**Clubs.**—The university has a number of clubs which serve the diverse interests of the students.

The Accounting Club is organized to foster interest in the study of accounting. Its activities include professional meetings, tours of business organizations, and other contacts with the practical activities in the field of accounting.

The Arabesque Club is open to all students interested in music. Its objective is the promotion of interest in music through production and participation in musical activities in Memphis.

The Art Club is open to all students interested in art. Its objective is the fostering of interest in art. Periodic art exhibits, speakers and tours of the art gallery are its activities.

The Association of Childhood Education is an international organization for leaders in the field of elementary education. Through speakers, visits to schools, and discussions, the local chapter promotes good fellowship and understanding of the problems and opportunities in the profession.

The Biology Club, open to all students interested in biology, is designed to stimulate further interest in the various fields of biology through visiting speakers, motion pictures, and group discussions.

The Chemistry Club functions as a student affiliate section of the American Chemical Society. Membership is open to any man or woman who is a major in chemistry or who has a great interest in the chemical fields. Programs offer professional contacts with many speakers outstanding in the field of chemistry.

The Cub Club is organized to foster school spirit. The members are elected from every club and organization on the campus. Fifteen freshmen are also invited to join annually. The club is responsible for most of the pre-sport activities, such as posters and decorating.

"Deutscher Verein" is a German language club open to all students. Its monthly meetings are devoted to the practice of the German language and songs, to lectures and discussions of topics involving German cultures, customs, literature, and art.

Entre Nous is a social organization open to all women on campus regardless of other affiliations. It offers them an opportunity to participate fully in all campus activities.

Euparthenes is a social organization open to all women belonging to sororities who do not have chapters on this campus.

The Men's Independents Club promotes the interests and social life of men students who do not belong to Greek letter organizations.

The Industrial Arts Club is composed of students who are interested in industrial arts. Its objective is to integrate group activities into concerted action which will stimulate further appreciation of the industrial arts.

The Ioka Wikewam Club, open to any girl taking a home economics course, is designed to stimulate interest in home economics and current topics in this field and to develop better citizens and social leaders.

The Mathematics Club is open to all students interested in mathematics. Its monthly meetings are devoted to discussion of mathematical topics of general interest but not usually included in formal courses.

The Physical Education Majors Club is open to all students interested in physical education, health, and recreation. It endeavors to promote better fellowship, to develop leadership, and to increase an understanding of problems and opportunities in the profession.

The Psychology Club is designed to promote interest in the field of psychology through programs and reports dealing with current problems. The club is not limited to majors or minors in the department but is open to all students who share an interest in psychology.

The Social Science Club, open to social science majors and minors, promotes the advancement of the social sciences as the key to the understanding of human relationships, investigates professional opportunities available in the field of social studies, and concerns itself with promoting good fellowship and common interests on the part of its members.

Sock and Buskin is an organization for students interested in the drama. Its purpose is to further the educational benefits which a theatrical program can furnish to the university community. It encourages the training of actors, directors, and stage technicians for the university theatre and for the school and community theatres of the area served by the university. It strives to develop an appreciation of good theatrical productions. Membership is open to all students who meet the qualifications of the club.

The Veterans Club, open to all veterans with ninety days or more service in any branch of the Armed Forces of the United States of America, helps to unite the veterans of Memphis State University by cooperative planning for their welfare.

The Y.W.C.A. is open to all girls who are interested in promoting Christian activities and in inspiring Christian living in daily campus relationships. Regular monthly meetings are held at which time outstanding speakers from the campus and the city bring programs that are interesting and uplifting. Through projects the members help various community organizations. Vespers in the girls' dormitory are sponsored by the Y.W.C.A.

The religious life on the campus is under the direction of a faculty committee and a student religious council functioning as a part of the Student Government. Denominational clubs organized to promote religious activities are: Baptist Student Union, Canterbury Club, Disciples of Student Fellowship, Hillel, "K" Club, Newman Club, Wesley Foundation and Westminster Fellowship.

**Honorary Fraternities.**—Alpha Psi Omega, a national honorary dramatic fraternity, was organized to provide an honor society for those doing a high quality of work in dramatics and to encourage a wider fellowship for those interested in the university theatre. The fraternity is not intended to take the place of the regular dramatic club or other producing groups, but as students qualify, they are rewarded by election to membership in this society.

Phi Chapter of Chi Beta Phi, national honorary scientific fraternity, was established to provide the opportunity for the advancement of scientific knowledge, to stimulate scientific investigation and sound scholarship, and to serve as a means of awarding distinction to students of exceptional scientific ability.

Phi Alpha Theta, honorary history fraternity open to students majoring in history, is based on scholastic achievement.

Phi Delta Epsilon is a national honorary journalism fraternity that recognizes outstanding work done on the university publications, including *The DeSoto*, and *The Tiger Rag*. Only juniors and seniors who have had at least one year on a university publication and who have done outstanding work are considered for membership.

Psi Chi is a chapter of the national honorary society for psychology majors and minors. The purpose of this organization is to advance the science of psychology, and to encourage, stimulate, and maintain the scholarship of the individual members in all fields, particularly in psychology. A scholarship average which ranks the student in the upper third in psychology subjects and the upper half in all other subjects is required.

Delta Kappa is a leadership fraternity whose purpose is to recognize men who have attained a high standard of efficiency in collegiate activities, and to inspire others to strive for similar attainment. Delta Kappa was founded and chartered at Memphis State University in the spring of 1950. The club membership is limited to one percent of the student body.

Gamma Delta Chapter of Sigma Delta Pi, national Spanish honor fraternity, has been established with these purposes: "to foment a wider knowledge of and a greater love for the Hispanic contributions to modern culture; to foster friendly relations and the cooperative spirit between the nations of Hispanic speech and those of English speech; and to reward those who show special attainments and interests."

Lambda Delta, an honor society for freshmen women, elects to membership each year freshman women students who have maintained a scholarship average of 3.5 during the first semester or for the entire year. The organization cooperates with Tassel in encouraging high academic standards among women students.

The Liberal Arts Honor Society, sponsored by members of Phi Beta Kappa on the faculty, and devoted to the encouragement of superior scholarship, elects to membership each year several outstanding students from the School of Arts and Sciences. Criteria for selection include "sound moral character, broad cultural interests, and scholarly achievements."

Tassel is a senior honorary society for women students. It recognizes scholarship, leadership, and service by inviting into membership women students who are outstanding in these areas.

Tau Kappa Alpha, a national honorary forensics fraternity, was organized for the purpose of encouraging and rewarding outstanding achievement in the field of forensics. Membership eligibility is based on two years of active participation by a student in forensics or participation in his senior year. A student must be in the upper 35% of his class.

**Professional Fraternities.**—Gamma Zeta Chapter of the International Fraternity of Delta Sigma Pi is a professional fraternity organized to encourage scholarship and the association of students for their mutual advancement in the field of commerce. Its membership is selected from those students majoring in business administration who have maintained a general scholastic average of "C" and an average of better than "C" in business administration.

Sigma Chapter of Phi Gamma Nu is a professional sorority for girls whose major interest is business administration. The sorority seeks to promote closer friendship and loyalty among the members, to promote a high standard of scholarship, to encourage participation in school activities, and to stimulate interest in civic and professional enterprises.

The Arnold Air Society is a national military fraternity honoring the late General of the Air Force, Henry H. Arnold. Membership is restricted to advanced Air Force ROTC cadets who have excelled in military leadership and military studies. The professional fraternity is dedicated to the preservation and development of the qualities of good and efficient officers and to the dissemination of true and adequate information concerning the national defense requirements of the United States.

**Student Publications.**—The DeSoto, university annual, is designed to record campus activities in an attractive and permanent form and to keep alive the memories of university life.

The Tiger Rag, student newspaper, provides timely news of university organizations and activities. It is an organ for the expression of student thought and it works to create a wholesome school spirit and to support the best traditions of the university. For interested students it provides training in useful and purposeful writing.

**Speech and Dramatic Activities.**—The University Theatre offers an extensive program each year. Usually four major productions are presented, and from six to ten one-act plays. Students are invited to try-outs for all plays. Majors in the field of speech and drama are given opportunity to design and direct one-act plays.

Memphis State University is host to a major portion of the activities of the Annual Memphis Shakespeare Festival. Such activities include a production of one of Shakespeare's plays, in addition to films, lectures, displays, and exhibits.

The Green Room Drama Group is a student-organized, student-operated project which offers experimental studies of a variety of dramatic forms for audience criticism and evaluation. It is open to all interested students, and provides additional opportunities for dramatics participation.

The Forensics Association is open to all students interested in forensics. Members of this group participate in debate, extemporaneous speaking, oratory, after-dinner speaking, discussion, and oral interpretation. From this group are chosen those who represent the university in intercollegiate competition and those who assist with such campus programs as the annual speech intramurals, the high school institutes program, and regional and state contests.

The Memphis State Entertainment Bureau has been formed as an outlet for the growth and development of students in the field of entertainment. Directed by the Speech and Drama department, it has assisted the recreation departments of various organizations throughout this area.

**Musical Activities.**—The Department of Music presents each year a variety of programs in which students are invited to participate. All of these activities are open to any qualified student, regardless of the student's major area of study. The University Band, the Concert Orchestra, the Music Education Orchestra, and the University Chorus are heard in concerts each semester, and frequent recitals are presented throughout the year by faculty members, students, and guest artists.

Annual events are the presentations of a major oratorio and a grand opera, the latter in cooperation with the Department of Speech and Drama.

Copies of the programs of the 1956-57 season will be mailed on request. Address your letter to Chairman, Department of Music.

**ATHLETICS**—The university sponsors a two-phase program of athletics, intramural and intercollegiate.

In the intramural program, which is active throughout the year, tournaments and contests are held in the seasonal sports. Students are offered an opportunity to compete as individuals or members of teams from the various student organizations. Softball, touchball, basketball, volleyball, and track are offered for team participation. Individual recreation is offered in tennis, shuffleboard, badminton, table tennis, and archery. An athletic supply room is open throughout the day from which recreational equipment may be checked out by all students.

The intercollegiate athletic program consists of sponsoring teams in football, basketball, baseball, track, golf and tennis. These teams compete in a regular schedule with teams from other recognized institutions of the same scholastic level as Memphis State. All equipment and excellent coaching is provided for members of all the intercollegiate teams.

Athletic facilities on the campus include two gymnasiums, ten all weather tennis courts, football field, quarter mile running track, baseball and softball fields. All policies of the intramural and athletic program are set by the university athletic committee.

The Department of Health and Physical Education is closely associated with the intramural and intercollegiate programs. All coaches serve as instructors in this department and students majoring in health and physical education utilize the two programs and facilities in preparation for careers as coaches and in the field of health and physical education.

## FEES AND EXPENSES

**Tuition:**—Tuition is free for students who are residents of Tennessee. Non-resident students are charged \$52.50 per semester.

**Registration Fee:**—A single composite registration fee of \$60.00 per semester is charged for all regular students who are residents of Tennessee. Non-residents are charged \$112.50 per semester. (This includes the \$52.50 tuition for out-of-state students.) This fee covers registration, student activity, laboratory and instructional fees formerly charged.

**Part-time and Off-campus Students:**—The State Board of Education at its meeting on November 9, 1956, authorized that fees for off-campus and part-time students be as follows, effective September 1, 1957:

### A. Off Campus

1. Undergraduates, residents of Tennessee: \$7.50 per semester hour.
2. Undergraduates, non-residents of Tennessee: \$12.00 per semester hour.
3. Graduates, residents of Tennessee: \$9.00 per semester hour.
4. Graduates, non-residents of Tennessee: \$14.00 per semester hour.

### B. Part-time, On Campus

1. Undergraduate, residents of Tennessee: \$6.00 per semester hour.
2. Undergraduate, non-residents of Tennessee: \$10.50 per semester hour.
3. Graduates, residents of Tennessee: \$7.50 per semester hour.
4. Graduates, non-residents of Tennessee: \$12.50 per semester hour.

**Summer Session:**—Students registering for 8 semester hours or more for the summer session will pay a registration fee of \$40.00. Students registering for less than 8 hours will pay at the part-time rate.

**Fees for Private Lessons in Music:**—Music 071, 081, 095, 171, 181, 195, 271, 281, 295, 305, 306, 371, 381, 395, 405, 406, 471, 481, 495 have the following fees:

One thirty-minute lesson weekly, per semester.....\$33.75  
Two thirty-minute lessons weekly, per semester..... 67.50

Music 091, 191, 291, 391, 491 have the following fees:

One thirty-minute lesson weekly, per semester.....\$ 60.00  
Two thirty-minute lessons weekly, per semester..... 120.00

**Room Rent:**—Room rent in any dormitory is \$67.50 per semester. Rent for the summer session is \$4.00 per week. Students are responsible for damage to or breakage of dormitory property. A key deposit of \$1.00 is required of each student living in a dormitory and is refunded upon return of the key.

**Cafeteria:**—The cafeteria is open to all students. The approximate cost of meals per day is \$1.50.

**Late Registration Fee:**—Registration should be completed within the official registration period. Registration is not complete until all fees for the semester have been paid. For registration after the day or days announced, an extra fee of \$1.00 each day is charged. Students who delay more than 30 days in completing their registration will not be allowed to register the following semester.

**Fee for Late Examination:**—Students must pay a fee of \$1.00 for each final examination taken late. A receipt from the bursar's office will admit the student to any late examination that he is entitled to take. The receipt must be forwarded to the registrar's office by the teacher along with the final grade as a requisite for the recording of the final grade of the course.

Students are allowed to take late or special examinations only with the approval of the director of the school concerned and after the payment of the late examination fee. Courses in which the student fails to take the final examination and for which he is not entitled to a late or special examination are entered as failed in the registrar's office.

**Transcript Fee:**—One copy of a student's record is furnished free. For each additional transcript, a fee of \$1.00 is charged. Transcripts of records are issued only at the request of the student or his authorized agent.

**Diploma Fee:**—Degree candidates pay a fee of \$15.00, which includes the fee for the diploma, the rental of cap and gown, and other incidentals connected with commencement exercises. This fee is payable thirty days before graduation.

**Breakage Cards:**—Students in chemistry, physics, and industrial arts are required to purchase breakage cards. Any unused balance is refunded at the close of the semester.

**Payment and Refund of Fees:**—All fees are payable in advance. If a student withdraws within seven days after the beginning of classes for the semester, a refund will be made of 80% of fees. Each week thereafter, the amount will be reduced 20%. The diploma fee is not refunded. Rooms are rented by the semester in advance. No reduction is made for late registration or for an absence of less than two weeks. No student may enroll, graduate, or receive a transcript of his record until all accounts are settled. The term "account" includes any indebtedness to the University.

## ENTRANCE AND CREDITS

### THE SCHOLASTIC YEAR

The scholastic year of Memphis State University covers a period of forty-eight weeks divided into two semesters and a summer session.

### GENERAL TERMS OF ADMISSION

**Statutory Provisions:**—Qualified residents of the state who have completed the full four year course of an approved high school will be admitted to Memphis State University without tuition. Residents of the state over twenty-one years of age who have not completed a four year high school course may be admitted as special students, without tuition.

**Health:**—A medical history and physical examination is required of all students entering the university. Each student must show evidence of vaccination for smallpox within the past five years. The Memphis and Shelby County Health Department and Shelby County Tuberculosis Association provide for chest x-ray of each student. X-rays are arranged through the Health Service at the time of admission.

### METHODS OF ENTRANCE

Freshmen are admitted by any one of the following methods.

1. By a transcript of credits showing graduation from an approved high school.

2. By certificate and examination. An applicant from an unapproved school who presents a satisfactory certificate will be required to take examinations only in subjects covering four units of high school work taken in the senior year.

3. By examination. An applicant who does not present a satisfactory certificate may be admitted by passing examinations on fifteen units required for graduation in an approved high school.

4. Young men and women who are twenty-one years of age and over, and who have not completed four years of high school work may be admitted as special students and permitted to take such courses as they are prepared for, provided that such special students must satisfy all entrance requirements to qualify for a degree.

### ENTRANCE CREDITS

New students should see page 30 for information on **How To Apply for Admission**. Students failing to file admission credentials before their entrance will not be allowed to complete registration until this has been done. Students asking for advanced standing should have a transcript of their college record mailed directly to the registrar. This transcript must be received by the registrar at least thirty days before the announced date of registration. Credits will be withheld until entrance requirements are satisfied. All transcripts become the property of the university and will not be returned.

See the several schools of the university for required high school units for each school.

### GENERAL TESTS

All freshmen will take such tests as are specified by the Committee on Admissions and by the schools in which the students are enrolled.

### **ADVISORY SYSTEM**

Every student entering Memphis State University is assigned an advisor whose function it is to assist the student in planning his course and preparing his schedule, and to counsel him on all scholastic matters. This assistance to the student on the part of the university does not, however, relieve the student of the responsibility of studying the catalog himself and fulfilling all of the requirements therein for his particular goal. It is expected that a student who has attained senior standing will consult with the director of his school in regard to the fulfilling of the requirements for a degree.

### **ADVANCED STANDING**

Advanced standing will be granted to students from accredited institutions who have completed with a grade of **C** or higher courses equivalent to those offered at Memphis State University toward a degree. Courses completed in other accredited institutions with a grade of **D** will not be accepted for credit. Transfer students asking for entrance to and advanced standing at Memphis State University must have their transcripts on file with the registrar for evaluation at least thirty days before the announced date of registration. To be accepted a student must have a statement of honorable dismissal from the last institution attended. Students requesting advanced standing on the basis of work done at unaccredited institutions are required to validate such credits.

### **DEGREES**

Memphis State University confers the following degrees: Bachelor of Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, and Master of Arts. The Bachelor of Arts and the Bachelor of Science degrees are offered in the School of Arts and Sciences, the Bachelor of Science in Business Administration is offered in the School of Business Administration, and the Bachelor of Science in Education is offered in the School of Education. The specific requirements for these degrees are set forth in the several schools.

### **GENERAL REQUIREMENTS FOR GRADUATION**

Basic courses required of all graduates from Memphis State University are English 111, 112, 211, 212; History 221, 222; one year of science; and four semesters of physical education or its equivalent.

Four semesters of physical education activity courses are required of all students except those completing two years of AF-ROTC, in which case only two semesters are required. All students are required to take Physical Education 100 for one semester at the completion of which a physical fitness test is given. Those passing the test may complete their requirement by selecting activity courses on the 200 level. Those not passing will take one more 100 activity course before starting the 200 activity courses. No student other than a Physical Education major may apply more than 4 semester hours of basic Physical Education to the minimum degree requirement of 132 semester hours. If officially excused from active participation, the student is still required to register for these courses, but will attend the class held for the inactive group.

To receive a Bachelor's degree from any of the schools in the university, a student must have at least 132 semester hours credit and at least 264 quality points. If for any reason a student offers more than

132 semester hours credit for graduation, the ratio of two quality points to one semester hour credit must be maintained. To attain this standard the candidate must have a C average on all courses attempted in the university.

Students who enter Memphis State University with advanced standing are required to maintain an average of C on all courses taken here.

A student can complete the resident requirements for graduation by establishing residence as a regular student for not less than two of the four semesters of his junior and senior years, provided that his last semester as a regular student shall be in residence. A student having completed the two semesters of residence in his junior and senior years as a regular student and lacking NO MORE than four semester hours toward completion of degree requirements, may earn these additional credits by residence at another approved institution, or by acceptable correspondence or extension work.

### **GRADUATION WITH DISTINCTION**

Memphis State University gives special recognition to those of its graduates who have attained certain scholastic standards and fulfilled certain other requirements adopted by the faculty of the university.

### **DEFERRED GRADUATION**

Students are ordinarily allowed to graduate under the requirements of the catalog of the year in which they enter. If a student begins work on a degree and fails to complete the required work for the degree, he must, after seven years from the date he entered, reorganize his degree plan to conform to the current catalog. However, any student who entered Memphis State University before September, 1951, will have until September 1, 1958, to complete degree requirements under regulations published prior to 1951.

### **EXTENSION DIVISION**

Memphis State University has for a number of years conducted general education workshops. The increasing demand for these services has resulted in the organization of an Extension Division. The Extension Division was authorized by the State Board of Education in 1951 to afford an official avenue through which university services could be extended off-campus.

#### **Extension Class Instruction**

Both graduate and undergraduate class instruction is given at centers within the state where suitable arrangements are made in advance. The subject matter taught in extension classes is the same as that offered on the campus. Regularly employed staff members of Memphis State University teach extension courses.

#### **Credit by Correspondence or Extension**

Memphis State University does not offer correspondence work but does accept credits earned by correspondence or extension, provided that such credits are taken from an institution which is a member of the Teachers College Extension Association, the University Extension Association, or the appropriate regional accrediting association. Not more than one-fourth of the credits applied on the bachelor's degree may be earned by correspondence or extension or a combination of the two.

No student is permitted to enroll for correspondence or extension courses while registered as a full-time student at Memphis State College. Part-time students are not permitted to enroll for correspondence or extension courses without special permission.

#### **Other Extension Services**

Where circumstances justify, the Extension Division attempts to provide various types of help to organized groups within the service area. This assistance may take the form of such activities as conferences, public addresses, consultative service, and other types of school and community aid. Regularly employed staff members of Memphis State University are available for this service.

To the end that an effective extension service may be carried on by Memphis State University, correspondence is invited with groups or individuals who are interested. Please address:

Extension Division  
Memphis State University  
Room 202 Administration Building  
Memphis, Tennessee

### **EVENING DIVISION**

The Evening Division was established to provide an undergraduate degree program for those who could not attend day classes. Courses are offered in all three of the undergraduate schools. Credit earned in the Evening Division is classified as residence credit.

Students may take courses in both the day and evening programs without additional cost.

### **GRADES AND GRADE POINTS**

The grades and their quality point values are as follows:

Grade of A—Exceptionally high scholarship—four points each semester hour.

Grade of B—Superior scholarship—three points each semester hour.

Grade of C—Average scholarship—Two points each semester hour.

Grade of D—Poor but passing—One point each semester hour.

Grade of F—No point value.

Grade of I—Incomplete.

In arriving at the student's scholarship ratio all courses attempted are included. As an example, a student carrying five courses for a total of 15 hours makes the following grades: A, B, C, D, F—accumulating grade points 12, 9, 6, 3, 0, for a total of 30 grade points. In arriving at his scholarship ratio, the number of hours attempted, 15, is divided into the grade points earned, as follows: 30 divided by 15=2.0.

The grade "I" indicates that a student has not completed the course for some unavoidable reason that is acceptable to his instructor. This grade may be changed by the instructor and credit allowed when the requirements of the course have been met, provided the work has been completed within the first four weeks of the next semester the student is in residence; and provided further that the deficiency must be made up within one calendar year from the date the grade of "I" was given, even if the student has not reentered college. If the student fails to complete the course within the specified time, no credit will be given for the course. The fee for late examination is \$1.00.

All grades, with the exception of "I," when once reported, can be changed only by the instructor who reported them, and then only after the faculty has voted approval of the change.

### THE UNIT OF CREDIT

One semester hour of credit is based upon one hour per week in lecture or recitations for one semester; or upon two hours per week of laboratory work for one semester.

### CLASSIFICATIONS OF STUDENTS

Students having 25 semester hours of credit and two semesters of residence are classified as sophomores; students having 55 semester hours of credit and four semesters of residence are classified as juniors; students having 85 semester hours of credit and six semesters of residence are classified as seniors.

Students who have completed the required number of hours and the required residence to be classified as juniors, but who have not completed their basic requirements, must schedule these uncompleted requirements the first semester following that such courses are available.

### CREDIT LOAD

The minimum number of hours each semester for a regular student is twelve. The maximum load for a student with less than a **B** average (3.0) is eighteen hours each semester or nineteen with the required physical education. Students who have a **B** average for a semester may, with the permission of the director of their school, schedule a maximum of twenty-one hours the following semester.

During the summer session eight hours will be the minimum load, twelve hours the average load, and fourteen hours the maximum load for a regular student. Not more than seven hours may be scheduled in either term of the summer session.

Only those students who enter the first week of a semester are allowed to make full credit; late entrants are required to limit their loads.

Students who are working to support themselves should reduce their academic load; counting two hours preparation for each credit hour, they should not schedule more than an eight-hour working day for their combined academic and business duties.

### ABSENCE, DROPPING, WITHDRAWAL

In no case is credit allowed in any course for which the student is not duly registered; and all courses for which the student is registered are recorded as passed, failed, or dropped. No student will be granted credit for a subject which does not appear, properly signed, on his registration card in the registrar's office.

A course may be dropped only by permission of the advisor and the director of the school in which the student is registered. Only under special circumstances will dropping be permitted after the fifth week.

Dropping a course without permission incurs a mark of "F."

Absence from final examination without the permission of the instructor incurs a mark of "F."

Absences are counted from the first scheduled meeting of the class. Absences may be excused only by the instructor.

Withdrawal from the university should be reported to the dean's office promptly in writing. Evening Division students should report their withdrawals to the office of the Director of the Evening Division.

A withdrawal is not permitted after the examination period has begun. Any student who withdraws after the drop period ends will have all courses not previously dropped recorded as: WP—Withdrew-Passing or WF—Withdrew-Failing. The parent or guardian of minor students will be advised of withdrawals.

### **CHANGE OF COURSE**

A period of five days (three days during the summer session) including the first day that classes meet, will be allowed for course changes. This will include adding and dropping courses, eliminating conflicts, and changing sections. No penalty, either monetary or scholastic, will be incurred during this change of course period.

### **SCHOLASTIC STANDING AND PROBATION**

Students are expected to maintain a reasonable standard of scholarship. A regular student must make a one and one-half quality point average, and pass at least nine semester hours. Part-time students (those taking less than twelve hours) must pass at least two-thirds of the hours attempted and must make not less than a two point average. Any student failing the above minimum standards of scholarship for two successive semesters will be indefinitely suspended.

Any student who fails probation twice will not be eligible to re-enter Memphis State University. Students who complete the work of the Lower Division with less than a C average will be given one additional semester in which to reach this standard. If at the end of this additional semester the student's average is below a C, he will be advised to withdraw from the university.

### **DEAN'S LIST**

The dean's list is composed of those students who make at least three "A's," not more than two "B's," no "C's," and who are carrying not less than fifteen hours exclusive of required physical education and who complete all courses for which they registered.

### **THE HONOR ROLL**

For the selection of honor students, the faculty has adopted the following regulations:

1. Only those students who matriculate for at least 12 hours credit, complete all courses, make some honor points, and are otherwise in good standing, are eligible for the honor roll. Students on probation, and others who are scholastically deficient, are not eligible.

2. From the list of eligibles the highest ten per cent are selected on the basis of honor points earned.

3. For a grade of B, 5 honor points for each semester hour are allowed; for a grade of A, 10 points.

### **THREE-YEAR PRE-PROFESSIONAL CURRICULUM**

A student who takes six semesters of undergraduate work before entering an advanced professional school may, upon evidence of satisfactory completion of the first year of professional work, be granted the Bachelors Degree from Memphis State University, provided:

1. That the minimum requirement for entrance to the professional school is sixty semester hours of undergraduate work.
2. That the professional school is an integral part of a university accredited by the appropriate regional association, or that the professional school is accredited by the recognized national association in its field.
3. That the last two semesters of pre-professional work be done at Memphis State University.
4. That the candidate complete 99 semester hours in pre-professional courses.

5. That the candidate complete, in his pre-professional work, at least twenty-four semester hours in courses numbered above 299, including at least six semester hours in his major field.
6. That the candidate meet all freshman and sophomore requirements of the degree curriculum.
7. That the candidate complete a minimum of twenty-four semester hours in his major area and eighteen semester hours in a minor area.

The candidate in the pre-professional degree curriculum should notify the dean of the university and the director of his school of his intentions no later than the beginning of his sophomore year, and should, with the guidance of his major professor, plan his study program at that time.

### **PREPARATION FOR PROFESSIONAL STUDY**

Memphis State University offers thorough pre-professional preparation for the study of dentistry, engineering, law, medicine, optometry, and pharmacy. Those students whose interests are in dentistry, medicine, optometry, or pharmacy will be guided by the Departments of Chemistry and Biology; those whose interests are in law will be guided by the Departments of English, Social Science, Accounting, and Business Management, and those whose interests are in engineering will be guided by the Departments of Mathematics and Industrial Arts. The sequence of courses required for the several pre-professional studies are available at the registrar's office.

### **FRESHMAN ORIENTATION**

In order to orient freshmen entering the university for the first time to their new environment, special lectures and assignments are given to help them understand and solve such problems as learning how to study, using their time properly, and finding their place in college life.

### **AFROTC BASIC TRAINING PROGRAM**

All able-bodied regular male students under 26 years of age, except those who have served an extended period of active military duty, are required to take the first two years (basic training) of the AFROTC program. If a student who is required to take part in this program fails to schedule this prescribed basic training any semester, he will not be allowed to re-enter Memphis State University any subsequent term without scheduling the proper basic training course each semester thereafter until the two years of basic training has been successfully completed, unless excused by the Professor of Air Science.

### **MISCELLANEOUS INFORMATION**

Courses numbered from 100 to 199 are in freshman rank; 200 to 299, sophomore rank; 300 to 399, junior rank; 400 to 499, senior rank. Figures in parentheses following the title of a course indicate the number of semester hours of credit.

### **UNIVERSITY ORGANIZATION**

Memphis State University is organized into the following divisions: The School of Arts and Sciences, The School of Business Administration, The School of Education, and The Graduate School.

# DEPARTMENT OF AIR SCIENCE

The following personnel are assigned to the Department of Air Science:

Name	Rank and Title
Hawkins, Gabe C.....	Colonel, Professor of Air Science
Schmid, Lowell K.....	Major, Assistant Professor of Air Science
Allen, Evan B.....	Captain, Assistant Professor of Air Science
Ayton, George V.....	Captain, Assistant Professor of Air Science
Fisher, James L.....	Captain, Assistant Professor of Air Science
Fontaine, Richard C.....	Captain, Assistant Professor of Air Science
Jamerson, Leslie D.....	Captain, Assistant Professor of Air Science
Russell, Claude E., Jr.....	Captain, Assistant Professor of Air Science
Tester, Edwin K.....	Captain, Assistant Professor of Air Science
Wagster, Woodrow W.....	Master Sergeant, Sergeant Major
Burchfield, Cecil E.....	Master Sergeant, Assistant Commandant of Cadets
Pace, Charles E.....	Master Sergeant, Non-Commissioned Officer Supply
Gafford, Donald K.	
.....	Technical Sergeant, Non-Commissioned Officer Training
Wellman, Felix E.	
.....	Technical Sergeant, Non-Commissioned Officer Personnel Records
Dinkins, John W.	
.....	Staff Sergeant, Non-Commissioned Officer Cadet Administration

The purpose of the AF ROTC program is to select and train students to serve as officers in the Regular and Reserve components of the United States Air Force.

To secure a ROTC commission in the Air Force, the cadet must: (1) complete the four-year course of instruction or have credit in lieu of portions of the training; (2) complete a summer training unit; (3) secure a baccalaureate degree from the university; and (4) be physically qualified.

Military Deferments of AF ROTC cadets are based upon: (1) scholastic standing; (2) the student's potential for leadership; (3) physical examination status. Normally, deferments for freshmen (Air Science 111 students) will not be submitted until the second semester of AF ROTC. The reason for this is to permit the Department of Air Science to determine whether or not the student's scholastic standing is sufficient to warrant a deferment. Deferments once granted remain in

effect for so long as the ROTC cadet remains in good standing and until he receives his degree and commission. Some reasons for not submitting a deferment or withdrawing a deferment on a cadet are: (1) poor scholastic record; (2) lack of military aptitude; (3) lack of leadership potential; (4) excessive absences; (5) withdrawal from the university; (6) physical reasons.

The AF ROTC program is a full four-year course. The first two years (freshman and sophomore) are known as the Basic Course, which is required of all able-bodied male students at Memphis State University who are between 14 and 26 years of age. Members of the Reserves of the Armed Forces are not excused from taking the Basic Course, unless they have also served a period of extended active military duty.

Reservists who have served six months active duty for training under the provisions of the Reserve Forces Act of 1955 are not considered veterans and will not be excused from taking the Basic Course during their freshman and sophomore years, nor will their active duty be accepted as a substitute for any portion of the Basic Course. However, AF ROTC training will be accepted on a year-for-year basis as fulfilling reserve training requirements prescribed in the act.

The last two years (junior and senior) are known as the Advanced Course. Cadets are selected for the Advanced Course when they complete the Basic Course, normally at the end of their sophomore year. Standards used in selecting the cadets for the Advanced Course are: (1) physical qualifications; (2) leadership potential; (3) scholastic standing; (4) recommendations of instructors and tactical officers. All cadets who desire to enroll in the Advanced Course cannot be accommodated. This is the time when the selection process takes place, which is based upon competition among the cadets in accordance with the standards listed above. Students who complete the Basic Course may, if they so desire, withdraw from the AF ROTC program.

While veterans may be excused from taking the Basic Course, any veteran who desires to apply for the Advanced Course must have been enrolled in each semester of the Basic Course while attending Memphis State University as a freshman or sophomore.

Advanced cadets will be required to attend a summer training unit for a period of four to six weeks between the junior and senior years.

Cadets will be required to participate in the Veterans Day Parade and in a review for the Homecoming Football Game.

A \$15.00 uniform deposit is required of all basic cadets, and a \$20.00 deposit is required of all advanced cadets. A deposit is made in the office of the bursar prior to enrollment. All items lost or damaged must be paid for by the student concerned. When all items are turned in the deposit is returned.

All senior cadets enrolled under Category I (Pilot) are required to pursue a flight training program. This program includes 35 hours of instruction in single engine training type aircraft conducted by a civilian flying school selected by Memphis State University.

### **DESCRIPTION OF COURSES**

111-112. (2 credits each semester).

This course of study includes an introduction to the AF ROTC program, introduction to aviation, global geography, international tensions and security organizations, instruments of national military security, leadership, and basic military training.\*

211-212. (2 credits each semester).

This is a course of study in the elements of aerial warfare, careers in the USAF, leadership, and exercise of command.\*

311-312. (3 credits each semester).

This course of study includes an introduction to the Advanced AF ROTC program, and studies in problem solving techniques, Air Force commanders and staff, communications process and Air Force correspondence, military justice system, applied Air Science, Air Force base functions, leadership, and exercise of command.\*

411-412. (3 credits each semester).

This course covers camp critique, principles of leadership and management, career guidance, military aspects of world political geography, military aviation and the art of war, briefing for commissioned service, and leadership laboratory.\*

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\*Any deviation from the prescribed chronological order of courses must be cleared with the AF ROTC department.

# THE SCHOOL OF ARTS AND SCIENCES

The School of Arts and Sciences is the basic unit of the university in the sense that the other schools of the university, both professional and graduate, require some work in the School of Arts and Sciences. Here also students who plan to do work in professional schools elsewhere may take the pre-professional work in medicine, dentistry, pharmacy, law, engineering, and laboratory technique that is required for entrance in such schools. Graduates in the School of Arts and Sciences who plan to teach either on the elementary or secondary level in the public schools receive excellent training for this profession by taking the required education courses for certification in the School of Education at the same time that they are completing requirements in their own school.

The major objective of the School of Arts and Sciences, however, is to give to its students a well-rounded and liberal education. It attempts to do this by introducing its students to nearly all of those major fields of human interest which are included in the humanities, social sciences, and natural sciences. It endeavors to make them fully acquainted with one or more of the subjects included in these several divisions and to stimulate within them the desire to continue their pursuit of truth. It is the earnest belief of the School of Arts and Sciences that the most essential and best possible preparation for any profession or vocation is a thorough foundation in the liberal arts, a belief which is shared more and more by professional and business leaders throughout our nation. In addition it seeks to give the student a richness of background which will increase his capacity to enjoy and appreciate the worthwhile things of life, and will make him a real citizen of the world in which he is to live and play his part.

The School of Arts and Sciences offers two degrees, The Bachelor of Arts and The Bachelor of Science. The work of the school leading to both degrees is organized into two divisions: (1) **The Lower Division**, consisting of the work of the freshman and sophomore years, and (2) **The Upper Division**, consisting of the work of the junior and senior years.

In order to be admitted to the Upper Division, the student must have completed the work of the Lower Division with an average grade of C (2.0). In addition, he must have submitted to his adviser for approval a complete program of study for work in the Upper Division. Students who complete the work of the Lower Division with less than a C average will be given one additional semester in which to reach this standard. If at the end of this additional semester the student's average is below a C, he will be advised to withdraw from the university.

Students who have completed the required number of hours and the required residence to be classified as juniors, but who have not completed their basic requirements in the Lower Division must schedule these uncompleted requirements the first semester following that such courses are available.

In the Lower Division is concentrated most of the courses required of all candidates for the B.A. and B.S. degrees. These required courses are designed to supplement the training received in high school and to prepare the student for the specialization required in the Upper Division.

## LOWER DIVISION

### Entrance Requirements and Prescribed Courses For Bachelor of Arts Degree

The entrance requirements for the Lower Division are graduation from an approved high school with 15 high school units, divided as follows: English, at least 3 units; mathematics, at least 2 units; foreign language, at least 2 units in one language<sup>1</sup>; the remainder to be chosen from other high school units, with not more than 3 from vocational subjects.

The prescribed courses in the Lower Division for the Bachelor of Arts degree are as follows:

English (111, 112; 211, 212).....	12 hours
<sup>2</sup> Foreign Language (6-12 hours).....	12 hours
History 221, 222.....	6 hours
<sup>3</sup> Social Science .....	6 hours
Biology, 141, 142.....	8 hours
Chemistry, Geography (111, 112), Mathematics, or Physics (one year of any one).....	6-8 hours
Electives .....	12 hours
Physical Education .....	4 hours
Total	66-68 hours

### Entrance Requirements and Prescribed Courses For Bachelor of Science Degree

The entrance requirements for the Lower Division are graduation from an approved high school with 15 units divided as follows: 3 units of English, 2 units of mathematics, the remainder to be chosen from other high school units with not more than 4 from vocational subjects. If the student offers only 1 unit in mathematics, he will be admitted to the Lower Division, but will be required to take one semester of college mathematics (101 or 121).

<sup>1</sup>A student who does not present at least 2 units in a foreign language will be admitted to the university, but will be required to complete three years here in one foreign language as a candidate for the B.A. degree.

<sup>2</sup>The details of the foreign language requirement are as follows:

1. Students with less than 2 units of a foreign language in high school will be required to complete three years work (18 semester hours) in one language in college for a B.A. degree.

2. Students with 2 or more units of a foreign language in high school will be required to complete two years work (12 semester hours) in one language in college for a B.A. degree.

3. Students who have 2 or more units in high school in one language may not take the first year of that language in college for credit.

<sup>3</sup>Six hours from one of the following: Economics, European History, Geography, Political Science, Sociology, Philosophy and Psychology.

The prescribed courses in the Lower Division for the Bachelor of Science degree are as follows:

English (111, 112; 211, 212).....	12 hours
<sup>1</sup> Foreign Language .....	6 hours
History (221, 222) .....	6 hours
Science (one year of Biology, Chemistry, Geography 111, 112, Mathematics or Physics).....	6-8 hours
Electives .....	32 hours
Physical Education .....	4 hours
Total	66-68 hours

### UPPER DIVISION

In the Upper Division, the work of the School of Arts and Sciences for both the Bachelor of Arts and the Bachelor of Science degrees is divided into three concentration groups as follows:

a. Humanities (Art, English, French, German, History, Journalism, Latin, Mathematics, Music, Philosophy and Psychology, Spanish, Speech and Drama).

b. Social Sciences (Economics, Geography, History, Philosophy and Psychology, Political Science, Sociology).

c. Natural Sciences (Biology, Chemistry, Geography, Mathematics, Physics).

### MAJOR AND MINOR

For the Bachelor of Arts degree, the student must complete a major and a minor within one of these concentration groups. The major must be in one subject, and in this subject the student will be required to complete at least 24 hours of course work. At least 12 of these hours must be in courses above 299 (Upper Division courses). A minimum grade of C (2.0) is required of every course for the major except in beginning courses and in sophomore English.

Within his concentration group the Bachelor of Arts candidate must also complete a minor of at least 18 hours in a subject other than his major. At least 6 hours must be from courses above 299 (Upper Division courses).

For the Bachelor of Science degree, the requirement for the major is the same as that for the Bachelor of Arts. The Bachelor of Science candidate may, however, choose as a minor any subject in the three undergraduate schools of the university which offers a minor. This minor must be composed of at least 18 hours in a subject other than his major.

The remaining courses for both the Bachelor of Arts and the Bachelor of Science degrees may be elected from any in the institution for which the student is qualified to register, provided that these elected courses meet with the approval of his advisor and provided

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<sup>1</sup>All students working for the B.S. degree must have one year of a foreign language on the college level. Students who have less than two units of a foreign language in high school will satisfy this requirement with first-year courses; students with two or more high school units in one language will satisfy this requirement with second-year courses. Students with two high school units in one language may not take the first year courses in the same language here for credit.

that not more than 18 hours<sup>1</sup>, except where a minor is involved, are taken from any one department outside the three concentration groups listed above.

Students of the School of Arts and Sciences who expect to teach must elect such courses in education as will qualify them for teaching positions they expect to hold.

Transfer students are required to earn at least 6 hours in residence at Memphis State University in their major subject.

#### **General Requirements**

At least 45 hours of the student's work in the Upper Division must be above 299. Not more than 42 hours will be accepted in any one subject.<sup>2</sup> For graduation a total of 132 hours is required, of which at least 90 hours must be in the concentration groups listed above.

### **PROSPECTIVE TEACHERS**

Prospective teachers in the School of Arts and Sciences who entered the university in September, 1953, or thereafter, are reminded that 24 hours of education is now required for teacher certification in Tennessee on both the elementary and secondary levels. In order to meet this requirement, it is suggested that the student take Education 101 as early in his undergraduate course as possible, preferably in his freshman year, and that the other required courses in education be spaced in his sophomore, junior and senior years.

Such prospective teachers are also reminded that teachers in Tennessee must now complete a General Education Core, the details of which are set forth in the School of Education, page 135. The greater part of this required General Education Core will normally be taken by the Arts and Sciences student in fulfilling the requirements of his school, but one required course, Health 101, and several elective courses are outside of the School of Arts and Sciences.

### **DEPARTMENTAL MAJOR AND MINOR REQUIREMENTS**

In addition to the general requirements for the major and minor set forth above, there are supplementary departmental requirements for a major and minor. These departmental requirements follow:

#### **ART**

Students who desire to major in art are required to complete a total of 36 semester hours in this field. Eighteen semester hours of this work will be in certain prescribed courses known as the art core, while twelve semester hours will be in specialized courses in a chosen field of concentration. The remaining six semester hours will be for art electives.

Students who minor in art are required to complete 24 semester hours of art courses of which at least 9 hours must be in the upper division.

#### **BIOLOGY**

Majors in biology are required to complete not less than 30 hours in prescribed courses in biology and one year of chemistry. At least 12 of the 30 hours work constituting a major must be in upper division

<sup>1</sup>The 4 required hours in physical education are not included in these 18 hours.

<sup>2</sup>Chemistry majors who are candidates for the B.S. degree are allowed to take enough additional hours over their major requirement to attain the minimum standards set by the American Chemical Society for chemistry majors.

courses. A minor in a physical science is recommended but may be taken in any other field.

The major in biology may choose between two areas of concentration, botany or zoology, for the greater portion of his work. The major who chooses botany as his field of concentration will take Biology 142, 201, 202, 300, and 304. Those who choose zoology will take Biology 141, 142, 300, 231 and 232. In either field of concentration the student, with the consent of his advisor, may choose electives to complete the number of hours required for a major.

To complete a minor in the department the student is required to take 18 hours in biology including 141 and 142. Nine hours in electives, at least 7 of which must be upper division courses, may be chosen from other offerings in the department.

## CHEMISTRY

Students majoring in chemistry must select 32 semester hours of credit from the chemistry courses listed in this catalog. General Inorganic Chemistry (111, 112) is a prerequisite for all other courses in chemistry. The courses required for a major in chemistry are:

1st year

Chemistry 111, 112 and Mathematics 121 or 141.

2nd year

Chemistry 211, 212 or Chemistry 321, 322.

3rd year

Chemistry 321, 322; or Chemistry 411, 412; or

Chemistry 421, 422. Mathematics 311, 312 are desirable if Physical Chemistry 411, 412 is elected.

4th year

Chemistry 401, 402; or Chemistry 411, 412; or

Chemistry 421, 422; or Chemistry 451, 452.

Mathematics 311, 312 are desirable if

Physical Chemistry 411, 412 is elected.

A minor in chemistry may be secured by completing 20 semester hours as follows:

Chemistry 111, 112..... 8 hours

Chemistry 321, 322..... 8 hours

An additional 4 hours—preferably Chemistry 401—must be taken.

A student may major in physical science by acquiring 32 semester hours in chemistry and physics. Chemistry 111, 112 and Physics 211, 212 are required of physical science majors.

A student majoring in another field may attain a minor in physical science by completing 20 semester hours of courses in the physical sciences; this must include 8 semester hours selected from courses numbered above 299.

## ENGLISH

All candidates for graduation at Memphis State University are required to complete English 111, 112, 211, 212, or their equivalent. These courses should be taken consecutively through the freshman and sophomore years. No credit will be allowed on any course until all the preceding courses are completed. These courses cannot be dropped from the student's course load, except under very special conditions.

In addition to this requirement of 12 semester hours, students majoring in English must complete courses in the department as follows:

English 301, 302 .....	not less than 3 hrs.
English 340, 341, 342, 350, 351, 352.....	not less than 3 hrs.
English 420, 421, 422, 423.....	not less than 3 hrs.
English 432, 433 .....	not less than 3 hrs.

Elective courses in English amounting to not less than 6 hours must be completed.

A minor in English includes English 111, 112, 211, 212 and 12 additional hours in English, at least 6 of which must be selected from the upper division courses required of an English major. These courses should be selected from two groups listed above as major requirements.

Transfer students either majoring or minoring in English must take at least 6 hours of work in English at Memphis State University.

### **FRENCH**

Students who major in French are required to take 12 hours of work in courses numbered above 299.

Students who minor in French are required to take 6 hours of work in courses numbered above 299.

Tests may be given to determine whether or not a student who has had two years of French in high school should take French 211.

### **GERMAN**

Students who major in German are required to take 12 hours of work in courses numbered above 299.

Students who minor in German are required to take 6 hours of work in courses numbered above 299.

### **HISTORY**

The requirements for a major in history are as follows:

1st year: History 111-2, and Geography 121-2.

2nd year: History 221-2; and Economics 211-2, or Political Science 221-2, or Sociology 211-2.

3rd year: Six hours in 300 or 400 courses.

4th year: Six hours in 300 or 400 courses.

Hours required in history, 24; additional hours required, 12.

History 221-2 must be completed for graduation. These courses are also prerequisites for all 300 and 400 courses in history.

A minor in history includes 12 hours in the lower division and 6 hours in the upper division.

### **JOURNALISM**

A major in journalism will include a minimum of 24 semester hours, including Journalism 211, and 212. The major must also include Journalism 311 (Reporting), Journalism 332 (Feature and Article Writing), and Journalism 330 (Radio News Writing and Editing). All journalism students must take Marketing 351 (Principles of Advertising) during their junior or senior year. The remainder of the courses in journalism will be electives. All majors must include 12 hours in upper-division journalism courses.

A minor in journalism will include a minimum of 18 semester hours, including Journalism 211, and 212. Other courses will be selected in accordance with the student's plans to use journalism. All minors must include at least six hours of upper-division journalism courses.

All students planning to take a major or a minor in journalism should enroll during their freshman year in Journalism 101 and 102. During their sophomore year Journalism 211 and 212 will be taken. These are the only courses offered on the freshman-sophomore levels.

### **LATIN**

Students who major in Latin are required to take 12 hours of work in courses numbered above 299.

Students who minor in Latin are required to take 6 hours of work in courses numbered above 299.

### **MATHEMATICS**

Students majoring in mathematics may choose either the Bachelor of Science or the Bachelor of Arts degree. For either degree, the minimum requirements in mathematics are: one year of calculus (Math. 311, 312) and its prerequisites, Math. 141, 142, 143, and 9 semester hours in courses numbered above 312. In addition, one year of either physics or chemistry is required.

A minor in mathematics consists of not less than 18 semester hours, including at least 6 hours numbered above 299.

### **MUSIC**

The major in music includes a core of forty hours of music courses plus additional hours, as specified below, in any one of four fields of concentration:

1. Concentration in Music History and Literature.....	9
Music Core (Major) .....	40
	49
2. Concentration in Music Theory*.....	8
Music Core (Major) .....	40
	48
3. Concentration in Applied Music.....	8
Music Core (Major) .....	40
	48
4. Concentration in Church Music.....	9
Music Core (Major) .....	40
	49

The minor in music includes a core of twenty-four hours of music courses plus additional hours, as specified below, in any one of three fields of concentration:

1. Concentration in Music History and Literature.....	6
Music Core (Minor) .....	24
	30
2. Concentration in Applied Music.....	8
Music Core (Minor) .....	24
	32
3. Concentration in Church Music.....	8
Music Core (Minor) .....	24
	32

\* Individual instruction with additional fees as stated for applied music courses on pages 40-41.

## **PHILOSOPHY AND PSYCHOLOGY**

Required for the major: 18 hours in psychology, 6 of which must be from the 300-400 level, and 6 hours in philosophy.

Required for the minor: 18 hours in psychology, or 15 hours in psychology and 3 hours in philosophy.

## **SOCIAL SCIENCES**

A major in economics is 24 hours, and a minor is 18 hours. The major consists of 211-2, 421-2, and 12 additional hours in the upper division. The minor consists of 211-2, 421 or 422, and 9 additional hours in the upper division. For either major or minor, the student also must complete Geography 121-2.

A major in geography is 24 hours, 12 of which must be in the upper division. It includes 121-2, 231-2 or 235-6, and 331-2. A student majoring in geography must complete also as a part of his minor or as an elective, 6 hours in economics, 6 hours in history, and 6 hours in sociology.

A minor in geography is 18 hours. For all students, other than those majoring in the physical sciences, it includes the first three years of work required for a major in geography. Students majoring in the physical sciences should take 411-2 instead of 331-2.

A major in political science is 24 hours, and a minor is 18 hours. The major consists of 211-2 and 18 additional hours in the upper division. The minor consists of 211-2 and 12 additional hours in the upper division. For either major or minor, the student also must complete Geography 121-2 or 235-6.

A major in sociology is 24 hours, and a minor is 18 hours. The major includes 211-2, 311, 322 or 412, and 422. The minor includes 211-2. For either major or minor, the student also must complete Geography 121-2. Sociology 211 is a prerequisite for 212, and 211-2 are prerequisites for 311, 321, and 322. For 312, 411, 412, 421, 422, 441, and 442 a prerequisite is 6 hours of sociology or permission of the chairman of the department.

## **SPANISH**

Students who major in Spanish are required to take 12 hours of work in courses numbered above 299. The upper division courses will be chosen in consultation with the student's major advisor.

Students who minor in Spanish are required to take 6 hours of work in courses numbered above 299. The upper division courses will be chosen in consultation with the student's major advisor.

## **SPEECH AND DRAMA**

A major in speech and drama consists of at least 27 hours of course work, including the following courses: 100, 111, 231, 245, 251 (or 252), 300 (two semesters at 1 semester hour each), plus at least 10 additional semester hours of courses numbered above 299.

A minor in speech and drama consists of at least 18 hours of course work, including the following courses: 100, 111, 245, 300 (one semester), plus one of the following courses (231, 251, 252, 253) plus at least five semester hours of course work numbered above 299.

**DEPARTMENT OF ART****Mr. Johnson, Chairman****Mr. Allgood****Mr. Govan**

The curriculum in art is designed to give the student basic knowledge in the theory and practice of applied art so that he may develop his ability to do creative work in this field. The materials of the various art subjects have been organized in such a way that creativeness and development of skills are emphasized in the design, drawing, and painting courses, while courses in art history and appreciation are given as background.

Students who desire to major in art are required to complete a total of 36 semester hours in the field. Eighteen semester hours of this work will be in certain prescribed courses known as the art core, while twelve semester hours will be in specialized courses in a chosen field of concentration. The remaining six semester hours will be for art electives. The required courses that make up the art major are listed below:

**ART CORE**

121—Color and Design .....	3
211—Composition .....	3
212—Abstract Design .....	3
214—Figure Structure and Drawing.....	3
411—History of World Art I.....	3
412—History of World Art II.....	3
<b>Total.....</b>	<b>18</b>

**FIELDS OF CONCENTRATION****(Choose one.)****I. Drawing and Painting**

A. Core subjects.....	18
B. Specialty courses .....	15
311—Transparent Watercolor	
312—Oil Painting	
413—Opaque Watercolor	
414—Advanced Oil Painting	
421—Illustration	
C. Art Electives .....	3
<b>Total.....</b>	<b>36</b>

**II. Advertising Art**

A. Core Subjects .....	18
B. Specialty Courses.....	15
113—Lettering	
314—Advertising Design	
323—Package Design	
421—Illustration	
423—Advertising Display	
C. Art Electives .....	3
<b>Total.....</b>	<b>36</b>

### III. Commercial Design

A. Core Subjects .....	18
B. Specialty Courses .....	15
113—Lettering	
323—Package Design	
324—Pattern Design	
327—Jewelry Design	
428—Metal Design	
C. Art Electives.....	3
<b>Total.....</b>	<b>36</b>

A minor in art must consist of 24 semester hours of art courses of which at least 9 hours shall be in the upper division.

### DESCRIPTION OF COURSES

#### 111—Art Appreciation. (3).

An introductory course that embraces all fine arts subjects. It deals with the fundamental principles of art and an understanding of art products and processes. Its purpose is to provide a basis for judgment and enjoyment of all types of art expression. Three hours lecture.

#### 113—Lettering. (3).

A course in fundamental letter construction, the history of alphabets, and the effects of tools and materials upon individual letter forms. Practical problems in hand lettering in both pen and brush techniques. Two hours lecture; two hours laboratory.

#### 121—Color and Design. (3).

A modern approach to the study of color and design. Provides basic and creative experiences in the use and enjoyment of color. Various color theories are examined. Two hours lecture; two hours laboratory.

#### 211—Composition. (3).

A basic course for all who plan to make constructive use of art. Includes drawing in light, dark, line, and color and the principles of perspective and composition. Two hours lecture; two hours laboratory.

#### 212—Abstract Design. (3).

A study of the elements of design approached abstractly. The creative ability of each student is encouraged by free experimentation with many different art materials such as the exploration of the collage and montage. Two hours lecture; two hours laboratory.

#### 214—Figure Structure and Drawing. (3).

Analysis of the structure of the human form. Figure drawing to develop powers of observation. Various techniques such as charcoal, crayon, pencil, and wash are explored. Two hours lecture; two hours laboratory.

#### 221—Interior Design. (3).

A survey of the broad field of interior design and some of its underlying principles. Projects include experience in the use of furniture, color, and fabrics in interior organization and designing small residential and commercial interiors. Two hours lecture; two hours laboratory.

#### 311—Transparent Watercolor. (3).

Theory and practice in painting to develop students skill in handling the medium of watercolor. One hour lecture; four hours laboratory.

**312—Oil Painting. (3).**

A preliminary course designed to give those who have special interest and some ability in art an opportunity to study the different techniques of painting with oils. It covers the basic essentials in still-life, landscape, and portrait painting. One hour lecture; four hours laboratory.

**313—Art in America. (3).**

A survey course dealing with the development of art in America. It includes architecture, sculpture, painting and the minor arts from pre-Columbian time to the present. Three hours lecture.

**314—Advertising Design. (3).**

An introductory course in the methods and techniques of advertising layout. Practical problems involving rough, presentation and finished art work in connection with newspaper, magazine and direct mail advertising. Two hours lecture; two hours laboratory.

**323—Package Design. (3).**

A course in the designing of packages and other types of industrial containers. Projects consist of the preparation of trademark designs, dummy cartons and package renderings. Two hours lecture; two hours laboratory.

**324—Pattern Design. (3).**

Specialized training in design research and the creating of two-dimensional designs. Course provides an opportunity for students to work and experiment with the latest materials in the pattern design field. Two hours lecture; two hours laboratory.

**327—Jewelry Design. (3).**

An elementary course in jewelry-making with emphasis on design. The preparation of metals and enamels and the techniques of champleve and cloisonne are explored. Two hours lecture; two hours laboratory.

**411—History of World Art I. (3).**

The development of the visual arts from pre-historic times through the medieval period; their use by man as a social, cultural and educational force. Also includes a brief survey of the art of the Far East. Three hours lecture.

**412—History of World Art II. (3).**

Continues (but does not presuppose) History of World Art I from the medieval period through the Renaissance to the present. It aims to develop the ability to see beauty and art qualities wherever they may be found. Three hours lecture.

**413—Opaque Watercolor. (3).**

Theory and practice in painting to develop the student's ability to handle opaque watercolor media such as casein and gouache. One hour lecture; four hours laboratory.

**414—Advanced Oil Painting. (3).**

This course deals with advanced problems in oil painting. It presupposes that the student has mastered basic techniques and is ready for a more experimental approach to the subject. One hour lecture; four hours laboratory. Prerequisites: Art 312 or permission of the instructor.

415—Workshop in Applied Art. (3).

A practical course covering the essential aspects of applied art. Emphasis is on basic art concepts and creative experience. Provision is made for the study of specific problems as they apply to each individual.

421—Illustration. (3).

A survey of the many areas requiring the services of an illustrator. Preparation of book, magazine, advertising and television illustrations. Two hours lecture; two hours laboratory.

423—Advertising Display. (3).

Specialized training in the field of display. A creative approach to exhibition and point-of-sales displays. Two hours lecture; two hours laboratory.

428—Metal Design. (3).

An advanced course in metal design. Deals with the processes of forming, joining and finishing silver, copper and brass. Projects include utility objects and sculpture. Two hours lecture; two hours laboratory.

## DEPARTMENT OF BIOLOGY

**Mr. Rudolph, Chairman**

**Mr. Brown, Mr. Freeman, Mr. Knepton, Mr. McGowan, Mr. McClurkin,  
Mr. Parchman**

Courses in the department are designed to increase the student's appreciation of his environment and to contribute to his cultural background. For those who plan to teach or do graduate work in biology, a broad foundation is offered. The student may choose courses which satisfy entrance requirements to various professional schools such as medicine, dentistry, pharmacy, medical technology, and nursing.

Majors in biology are required to complete not less than 30 hours in prescribed courses in biology and one year of chemistry. At least 12 of the 30 hours work constituting a major must be in upper division courses. A minor in physical sciences is recommended but may be taken in any other field.

The major in biology may choose between two areas of concentration, botany or zoology, for the greater portion of his work. The major who chooses botany as his field of concentration will take Biology 142, 201, 202, 300, and 304. Those who choose zoology will take Biology 141, 142, 300, 231 and 232. In either field of concentration the student, with the consent of his advisor, may choose electives to complete the number of hours required for a major.

To complete a minor in the department the student is required to take 18 hours in biology including 141 and 142. Nine hours in electives, at least 7 of which must be upper division courses, may be chosen from other offerings in the department.

Premedical and predental students may meet biology requirements by taking Biology 141 and 142. It is recommended that they also take Biology 231 and 232. Preprofessional students in other fields will be advised as to which courses are required.

Biology 141 and 142 are required of students who expect to receive the B.A. degree. Other non-science students may complete biology requirements for graduation by taking 111 and 112. Biology 111 and 112 are designed specifically for non-science students and must not be taken by biology majors or pre-professional students.

### DESCRIPTION OF COURSES

**100—Nature Study and Bio-conservation. (3).**

Designed to stimulate an interest in living things in their environment and to encourage the use of field work in teaching nature study and conservation in the grades. Two hours lecture, two hours field or laboratory.

**111—Introduction to Biology. (3).**

Designed as a general survey in biology for non-science students and elementary teachers. The general biological principles are introduced, with emphasis on the animal kingdom. Not acceptable for pre-professional students and biology majors. Two-hours lecture; two hours laboratory.

112—Introduction to Biology. (3).

A continuation of Biology 111 with emphasis on the plant kingdom. Not acceptable for pre-professional students and biology majors. Two hours lecture; two hours laboratory. Prerequisite: Biology 111.

121—Anatomy and Physiology. (5).

A detailed study of the structure and function of the human organism. Primarily designed for student nurses and physical education majors. Lectures, demonstrations, and laboratory exercises. Three hours lecture; four hours laboratory.

130—Microbiology. (3).

A course designed to meet the requirements of student nurses and physical education majors. Two hours lecture; two hours laboratory.

141—General Plant Biology. (4).

A survey of the plant kingdom in which distribution, taxonomic relationships, morphology, physiology, and economic importance of selected forms are especially considered. Three hours lecture; two hours laboratory.

142—General Animal Biology. (5).

A survey of the animal kingdom in which the distribution, taxonomic relationships, morphology, physiology, and economic importance of selected forms are especially considered. Three hours lecture; four hours laboratory.

201—General Botany. (4).

Classification, distribution, structure, physiology and economic importance of lower plants. Recommended for majors in biology and students planning to study agriculture, forestry or horticulture. Open to freshmen. Two lectures; four hours laboratory.

202—General Botany. (4).

Continuation of Biology 201 with a consideration of higher plants. Recommendations the same as for Biology 201. Two lectures; four hours laboratory.

231—Comparative Anatomy of Vertebrates. (5).

The origin, development, structure, and functions of the organs and systems of selected forms of vertebrates. Two hours lecture; six hours laboratory. Prerequisite: Biology 142.

232—Vertebrate Embryology. (4).

The development of selected vertebrate embryos from the fertilized egg cell. Two hours lecture; four hours laboratory. Prerequisite: Biology 231.

300—Genetics. (4).

A study of the principles of heredity. Laboratory work includes drosophila breeding experiments. Two hours lecture; four hours laboratory. Prerequisite: Biology 141 and 142 or the equivalent.

301—Heredity. (3).

A lecture course on the principles of heredity with applications to human problems. Designed especially for non-science students and recommended for teachers or others who desire a better understanding of heredity and eugenics. Not acceptable as credit on a biology major. Three hours lecture-discussion.

**302—Bacteriology. (4).**

A general course dealing with the fundamentals of bacteriology. Two hours lecture; four hours laboratory. Prerequisite: one year of chemistry or one year of biology.

**304—Field Botany. (4).**

Representative specimens of plants in the Memphis area will be observed in their habitat, classified and mounted. Prerequisite: Biology 201 and 202 or Biology 141 and permission of instructor. Two hours lecture; four hours laboratory.

**310—Landscape Gardening. (3).**

A consideration of the selection, arrangement, and care of ornamental plants. Open to juniors and seniors. Three lectures each week.

**311—General Entomology. (4).**

An introduction to the insects with emphasis on morphology, physiology, development, behavior, and ecology. Two hours lecture; four hours laboratory. Prerequisite: General Biology.

**312—General Entomology. (4).**

A continuation of Biology 311 with the emphasis placed on the classification of the insects, the interpretation and use of keys, and the preparation of a representative collection. Two hours lecture; four hours laboratory.

**315—History of Biology. (3).**

The development of the science of biology from early times. Individuals working in the field of biology and the influence of their contributions. Prerequisite: eight semester hours credit in biological sciences.

**320—Forestry. (3).**

The art, science, history, distribution, and economic importance of forests. Three hours lecture each week.

**340—Ornithology. (4).**

A study of the classification, habitats, migrations, and nesting habits of birds. Two hours lecture; four hours laboratory or field work. Prerequisite: Biology 142.

**341—General Physiology. (3).**

A study of the essential functions of the living organisms with the necessary structural relationship to provide clarity of the subject. Emphasis to be placed on energy changes that occur in the animal body. Prerequisite: five hours of zoology and one year of chemistry. Two hours lecture; two hours laboratory.

**342—General Physiology. (3).**

A continuation of Biology 342. Prerequisite: Biology 341. Two hours lecture; two hours laboratory.

**350—Economic Entomology. (4).**

A study of the insect pests of farm, garden, orchard and household. Their structure, life history, injury, and control measures will be considered. Two hours lecture; four hours laboratory. Prerequisite: Biology 311 and 312, or permission of the instructor.

**Biology 352—General Ecology. (3).**

The study of plant and animal communities in relation to their environment. Two hours lecture and two hours laboratory each week. The laboratory will consist mainly of field trips. Prerequisites: Biology 141 and 142 or equivalent courses.

**361—Parasitology. (4).**

Distribution, morphology, life history, economic importance and control of some of the parasites of man and domestic animals. Protozoa through Platyhelminthes. Two hours lecture; four hours laboratory.

**362—Parasitology. (4).**

A continuation of Biology 361. From Nematelminthes through arthropod vectors. Some time will be given to collecting and examining animals for parasites. Two hours lecture; four hours laboratory.

**400—Problems in Biology. (2-4).**

Individual problems in biology may be pursued by qualified students under the supervision of some member of the biology staff. The purpose of the course is to develop interest and proficiency in biological research.

**Biology 403—Vertebrate Histology. (4).**

Microscopic study of normal tissues and organs of the vertebrate body. Two hours lecture; four hours laboratory.

**404—Histological Technique. (3).**

Methods of preparing animal tissues for microscopic study, theories of staining, and preparation of permanent mounts. One hour lecture; four hours laboratory. Prerequisite: five hours of zoology or consent of the instructor.

**405—Sanitary Bacteriology. (4).**

A study of microorganisms in relation to water and sewage; disinfection and disinfectants. Two hours lecture; four hours laboratory. Prerequisite; Biology 302 or its equivalent.

**Biology 410—Organic Development. (3).**

The consideration of the theoretical and scientific evidences concerning the origin, development, and establishment of the major groups of living and extinct animals and plants. Prerequisite: one year of biology. Recommended for biology majors and general students as well.

**440—Field Zoology. (4).**

Designed to acquaint the student with a field knowledge of the animals of this locality. Identification, life history, and habitat will be considered. Birds and insects to be omitted. Two hours lecture; four hours laboratory. Prerequisite: eight hours of biology including five hours of zoology.

**GRADUATE COURSES**

Note: Courses preceded by "G" are described above.

G-404—Histological Technique. (3).

G-405—Sanitary Bacteriology. (4).

G-440—Field Zoology. (4).

500—Special Problems. (4).

## DEPARTMENT OF CLASSICAL AND MODERN LANGUAGES

Mr. Carson, Chairman

Mrs. Grooms, Mrs. Heatherly, Miss Heiskell, Mr. Linden, Miss Seay

### CLASSICAL LANGUAGES

Students who major in Latin are required to take 12 hours of work in courses numbered above 299. The upper division courses will be chosen in consultation with the student's major advisor.

Students who minor in Latin are required to take 6 hours of work in courses numbered above 299. The upper division courses will be chosen in consultation with the student's major advisor.

Courses 321, 322, and 323 are given in English and are open to students who have had no Latin. These courses may not be used to satisfy the language requirement or to complete the requirements for a major or minor.

### DESCRIPTION OF COURSES

#### LATIN

111, 112—Elementary Latin. (3 credits each semester).

211, 212—Second Year Latin. (3 credits each semester).

Caesar, *Gallie Wars* Books I, IV, and V. Selections from Cicero's *Orations*, and Vergil's *Aeneid*, Books I, IV, and VI.

220—Advanced Latin Grammar and Composition. (3).

311, 312—Livy Books XXI and XXII and Horace's *Odes* and Selected *Satires*. (3 credits each semester).

411—Catullus and Horace. (3).

413—Roman Letter Writers. (3).

420—Roman Historians. (3).

421—Roman Satire. (3).

#### GREEK

111, 112—Elementary Greek. (3 credits each semester).

211, 212—Second Year Greek. (3 credits each semester).

Xenophon, *Anabasis*, Homer, *Odyssey*, Book IX.

### GENERAL COURSES

321—Roman Public and Private Life. (3).

322—Greek and Roman Mythology. (3).

323—Latin and Greek Etymology. (3).

Origin and derivation of words, especially those used in medicine and science.

## MODERN LANGUAGES

### FRENCH<sup>1</sup>

Students who major in French are required to take 12 hours of work in courses numbered above 299.

Students who minor in French are required to take 6 hours of work in courses numbered above 299.

Tests may be given to determine whether or not a student who has had two years of French in high school should take French 211.

Students in first year French may earn 4 credits instead of 3 each semester by attending two laboratory periods each week. These consist of conversation with foreign students, work with French records and recorder.

### DESCRIPTION OF COURSES

111, 112—Elementary French. (3 credits each semester).

211, 212—Intermediate French. (3 credits each semester).

311, 312—Survey of French Literature. (3 credits each semester).

321, 322—Conversational French. (3 credits each semester).

411, 412—The French Novel. (3 credits each semester).

421, 422—The French Drama. (3 credits each semester).

### GERMAN<sup>1</sup>

Students who major in German are required to take 12 hours of work in courses numbered above 299.

Students who minor in German are required to take 6 hours of work in courses numbered above 299.

The upper division courses will be chosen in consultation with the student's major advisor.

### DESCRIPTION OF COURSES

111, 112—Beginning German. (3 credits each semester).

Reading, vocabulary, pronunciation, grammar.

211, 212—Intermediate German. (3 credits each semester).

Extensive and intensive reading in German literature, enlarging the vocabulary, perfecting the pronunciation, reviewing the grammar.

222—Scientific German. (3).

Reading in medical and scientific German. Open to students who have completed German 211.

311, 312—Survey of German Literature. (3 credits each semester).

Readings of masterpieces and representative works setting forth German literature and culture from beginning to modern times.

411, 412—Studies in Classical and Modern Writers. (3 credits each semester).

Covers the great works in German literature and their authors.

421, 422—Conversation and composition. (3 credits each semester).

Practice in the speaking and understanding of German; intensive practice in composition and grammar review.

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<sup>1</sup> Unless the student has at least 2 units of a foreign language earned in high school, credit toward a degree will not be allowed for less than one year's work in that language.

### SPANISH<sup>1</sup>

Students who major in Spanish are required to take 12 hours of work in courses numbered above 299. The upper division courses will be chosen in consultation with the student's major advisor.

Students who minor in Spanish are required to take 6 hours of work in courses numbered above 299. The upper division courses will be chosen in consultation with the student's major advisor.

Students in first year Spanish may earn 4 credits instead of 3 each semester by attending two laboratory periods each week. These consist of conversation with foreign students, work with Spanish records and recorder.

A student who wishes to major in Spanish will be advised to take certain related courses as well as the prescribed courses in Spanish, on a basis of what studies he has had in high school and whether he wishes to use Spanish commercially or as a teacher.

### DESCRIPTION OF COURSES

111, 112—Elementary Spanish. (3 credits each semester).

Open to students who have had no Spanish and to students who have had less than the prerequisite for 211.

211, 212—Intermediate Spanish. (3 credits each semester).

Prerequisite Spanish 112 or the equivalent, i.e., two years of high school Spanish.

311, 312—Survey of Spanish Literature. (3 credits each semester).

Offered in 1956-1957 and alternate years. Prerequisite: Spanish 212.

321—Advanced Composition and Conversation. (3).

Offered in 1957-58 and alternate years.

331—Commercial Spanish. (3).

Study of technical terms, vocabulary, and phraseology used in business and commerce with Spanish-speaking countries, such as letters, invoices and papers required by consular regulations.

Offered in 1957-58 and alternate years.

412—Modern and Contemporary Spanish Prose. (3).

Novel, short story, and essay.

413—Modern and Contemporary Spanish Drama and Poetry. (3).

421—Spanish-American Literature. (3).

Drama, poetry and essay.

422—Spanish-American Short Story. (3).

423—Spanish-American Novel. (3).

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<sup>1</sup> Unless the student has at least 2 units of a foreign language earned in high school, credit toward a degree will not be allowed for less than one year's work in that language.

## DEPARTMENT OF ENGLISH

Mr. Evans, Chairman

Mr. Abbett, Mr. Bannon, Mrs. Battle, Mr. Brown, Mr. Carson, Mr. Casey, Mr. Cornelius, Mr. Farrior, Mr. Hill, Mr. McLaurin, Mr. McLe-more, Mr. Osborne, Mrs. Phillips, Mr. Riley, Miss Seay, Mr. Alfred Smith, Mr. Walter Smith, Mrs. Smythe, Mrs. Streeter, Mr. Wynn.

All candidates for graduation at Memphis State University are re-quired to complete English 111, 112, 211, 212, or their equivalent. These courses should be taken consecutively through the freshman and sopho-more years. No credit will be allowed on any course until all the pre-ceding courses are completed. These courses cannot be dropped from the student's course load, except under very special conditions.

In addition to this requirement of 12 semester hours, students majoring in English must complete courses in the department as fol-lows:

English 301, 302.....	not less than 3 hrs.
English 340, 341, 342, 350, 351, 352.....	not less than 3 hrs.
English 420, 421, 422, 423.....	not less than 3 hrs.
English 432, 433.....	not less than 3 hrs.

Elective courses in English amounting to not less than 6 hours must be completed.

A minor in English includes English 111, 112, 211, 212 and 12 addi-tional hours in English, at least 6 of which must be selected from the upper division courses required of an English major. These courses should be selected from two groups listed above as major require-ments.

Transfer students either majoring or minoring in English must take at least 6 hours of work in English at Memphis State University.

English majors planning to teach in high school should take the teaching of high school English in the Department of Education. Courses in advanced grammar, mythology, and English history are strongly urged for prospective teachers.

## DESCRIPTION OF COURSES

### 111—English Fundamentals. (3).

Training in correct writing, including drill in sentence and paragraph construction, diction, punctuation, grammar, spelling, ex-pository and narrative themes, and book reports.

### 112—English Fundamentals. (3).

A continuation of English 111, devoted to reading for compre-hension, the more complex forms of writing (including the research paper), and an introduction to literary types.

### 211—English Literature. (3).

A survey of English literature from the beginning to the period of Romanticism, with emphasis placed on major writers: Chaucer, Spenser, Shakespeare, Milton, Dryden, Addison and Steele, Pope, and Goldsmith.

### 212—English Literature. (3).

A survey of English literature from the period of Romanticism

to the present day, with emphasis on the major writers: Wordsworth, Coleridge, Shelley, Byron, Keats, Carlyle, Tennyson, Browning, Arnold, Hardy, Housman, Yeats, and Eliot. English 211 is a prerequisite.

301—Survey of American Literature. (3).

From the Colonial period to the Civil War.

302—Survey of American Literature. (3)

Continuation of 301; from the Civil War to the present.

311—The Continental Novel. (3).

Critical analysis and appreciation of representative novels chosen from the works of Tolstoi, Dostoevski, Turgenev, Gogol; Zola, Flaubert, France, Reymont, Zeromski; Remarque, Mann, Asch; Gide, Sartre.

312—The Modern American Novel. (3).

Critical analysis and appreciation of representative twentieth century novelists, including James, Cather, Dreiser, Crane, Norris, Anderson, Hemingway, Steinbeck, Dos Passos, Farrell, Caldwell, Faulkner, Bellows.

331—The Short Story. (3).

A critical study of modern short stories, English, American, and European: the authors' responses to the personal, social, and ethical problems of their time; and their techniques as artists.

332—Modern Poetry. (3).

Critical analysis and appreciation of representative works of the major recent and contemporary English and American poets, including Hardy, Hopkins, Yeats, Robinson, Frost, Pound, Eliot, Stevens, Williams, Thomas, and others.

340—Seventeenth Century Literature. (3).

The major poetry and prose of Donne, Ben Jonson, Bacon, Browne, Dryden and others are analyzed carefully and considered in relation to the historical and intellectual developments of the seventeenth century.

341—Eighteenth Century English Literature. (3).

Poetry and prose from Pomfret to Blake. Detailed study of representative works with some attention to the origin and course of neoclassicism and romanticism.

342—Romantic Poets of the Nineteenth Century. (3).

Detailed study of selected works from the poetry and prose of Coleridge, Wordsworth, Byron, Shelley, and Keats, with readings in Lamb, Hazlitt, De Quincey and other contemporaries.

350—The Renaissance. (3).

A study of non-dramatic poetry and prose of sixteenth century England.

351—Victorian Poetry. (3).

A study of major English poets writing between 1830 and 1900, with some consideration of the social, intellectual, and aesthetic interests of their times. Particular attention will be given to the poetry of Arnold, Rossetti, Morris, and Swinburne; additional selections will be drawn from the works of such poets as Fitzgerald, Clough, Christina Rossetti, Meredith, Hopkins, Hardy, and Housman.

352—Victorian Prose. (3).

A study of selections from the critical and philosophical prose of the great Victorians, with consideration of social, political, intellectual, and aesthetic ideas and interests of their era (1830-1900). Particular attention will be devoted to the major works of such authors as Carlyle, Mill, Newman, Arnold, Ruskin, Morris, Huxley, and Pater.

361—World Literature—Ancient Period. (3).

Classics from ancient literature, principally Greek and Roman, are studied with a view to discovering permanent elements of culture. English translations are used.

362—World Literature—Medieval Period. (3).

A study of translated European classics beginning with the medieval epic and ending with the Renaissance.

371—Advanced Composition. (3).

Class discussion of literary form and individual tuition in the writing of essay, short story, poem, criticism, and research paper. Prerequisite: permission of the instructor.

380—Biblical Literature. (3).

A study of selected books from the Old and New Testaments for their literary value. Consideration is given to the place of the Bible in world literature. Attention is called to famous literary forms appearing in biblical literature.

400—The Principles of Literary Criticism. (3).

A study, including actual work with poetry and prose, of the principles underlying the analysis and evaluation of literature.

411—Early English Drama. (3).

British Drama is traced from its beginnings to the closing of the theaters in 1642, exclusive of Shakespeare.

412—English Drama Since 1642. (3).

The course of British Drama is further traced, beginning with the Restoration and continuing to the present era.

420—Spenser. (3).

**The Faerie Queene** and other major poems are studied in the context of the historical, intellectual, and literary developments of the English Renaissance.

421—Chaucer. (3).

As many of **The Canterbury Tales** as possible are read and discussed in class.

422—Milton. (3).

The poetry of Milton is emphasized in this course, with some attention given to his essays. Papers and reports are assigned.

## 423—Tennyson and Browning. (3).

An intensive study of selected poems of different types produced by each poet. Their philosophy and religion are considered, as well as their connection with forerunners and successors.

## 432—Shakespeare's Tragedies. (3).

All of Shakespeare's tragedies are read and critical examination is made of at least five of the author's greatest works. Attention is given to the principles governing tragedy.

## 433—Shakespeare's Comedies and Histories. (3).

The best known of Shakespeare's comedies are included in this course. In addition several of his histories are studied.

## 441—The English Language. (3).

This course involves a thorough investigation of the development of the English language from the standpoint of its phonology and etymology.

## 442—English Grammar. (3).

The historical development of English grammatical principles.

## 443—Semantics. (3).

Meaning and change of meaning in the use of English words.

## 451—The English Novel. (3).

A critical appreciation of representative novels. Class discussion of their literary and historical merit and of their reflection of the authors' responses to the personal, social, and ethical problems of the times. From the Age of Elizabeth to mid-nineteenth century.

## 452—The English Novel. (3).

A continuation of 451. From mid-nineteenth century to the present.

## 461—American Authors. (3).

An analysis of the work of three nineteenth century writers of fiction—Poe, Hawthorne, and Melville—with special attention to their themes and artistic forms.

## 462—American Authors. (3).

An appreciation of Emerson, Thoreau, and Whitman as poets and essayists, with emphasis upon their place in the development of ideas and art forms.

## 470—The South in Literature. (3).

A study of the culture and traditions of the South as reflected in its literature. Considerable independent reading will be required.

### GRADUATE COURSES

Courses preceded by "G" are described above.

## G400—The Principles of Literary Criticism. (3).

## G411—Early English Drama. (3).

## G412—English Drama Since 1642. (3).

- G420—Spenser. (3).
- G421—Chaucer. (3).
- G422—Milton. (3).
- G423—Tennyson and Browning. (3).
- G432—Shakespeare's Tragedies. (3).
- G433—Shakespeare's Comedies and Histories. (3).
- G441—The English Language. (3).
- G442—English Grammar. (3).
- G443—Semantics. (3).
- G451—The English Novel. (3).
- G452—The English Novel. (3).
- G461—American Authors. (3).
- G462—American Authors. (3).
- G470—The South in Literature. (3).
- 531—Studies in Ancient Drama. (3).
- 532—Studies in Medieval and Modern Drama. (3).
- 542—Studies in the Eighteenth Century Novel. (3).
- 551—Milton and His Age. (3).
- 552—Milton and His Age. (3).
- 561—Studies in American Literature Before 1860. (3).
- 562—Studies in American Literature Since 1860. (3).
- 571—Studies in the Literature of the Romantic Period. (3).
- 572—Studies in Victorian Literature. (3).

## DEPARTMENT OF HISTORY

**Mr. Mitchell, Chairman**

**Mr. Boom, Mr. Brown, Mr. Gaisser, Miss Gyles, Mr. Holmes, Mr. Miller,  
Mr. Newcomer, Mr. Pool, Mr. Sossomon, Mr. Utey**

The specific requirements for a major in history are as follows:

1st year—History 111-2, and Geography 121-2.

2nd year—History 221-2; and Economics 211-2, or Political Science 221-2, or Sociology 211-2.

3rd year—Six hours in 300 or 400 courses.

4th year—Six hours in 300 or 400 courses.

Hours required in history, 24; additional hours required, 12.

History 221-2 must be completed for college graduation. These courses are also prerequisites for all 300 and 400 courses in history.

A minor in history includes 12 hours in the Lower Division and 6 hours in the Upper Division.

## DESCRIPTION OF COURSES

### EUROPEAN HISTORY

111—European Civilization from 1300 to 1815. (3).

112—European Civilization since 1815. (3).

301—History of England before 1660. (3).

The development and growth of England, including the mingling of racial and cultural elements, into a nation. Particular attention will be given to constitutional progress and the achievements of the Tudor and Stuart periods.

302—England since 1660. (3).

The development of England's democratic government will be emphasized. Economic, social, intellectual, diplomatic, and imperial affairs will also be considered.

313—Medieval History. (3).

A study of the economic and political forces, and more especially the intellectual and cultural movements of the period ending with the Roman Empire in the west and ending with the beginnings of modern thought during the Renaissance.

402—Russian History. (3).

This course offers a survey of Russian history from early times to the present.

411—The French Revolution. (3).

The Enlightenment, the French Revolution, and the Napoleonic era will be studied. Attention will be paid to the effects of these movements on Europe as a whole.

412—Europe in the Nineteenth Century. (3).

This course traces the history of Europe through the periods of reaction, revolution, unification and reform, 1815-1914.

413—Europe in the Twentieth Century. (3).

This course deals with the rapid developments leading through World War I, the peace conference, the uneasy inter-war years, World War II, and recent reconstruction and efforts to secure the peace.

441—History of the Ancient Near East. (3).

A study of the early civilizations of Mesopotamia, Egypt, and Palestine. Especial attention will be paid to the interrelation of cultural influences between these areas and the contributions of each to western culture.

442—History of Greece. (3).

The growth and peak of ancient Greek civilization are presented in this course. Emphasis will be placed on the philosophy, literature, art and architecture of the classic and Hellenistic periods.

443—The History of Rome. (3).

Roman expansion, organization and administration of the Republic and the Empire will be considered in this course. The permanent contributions of Rome to western culture in law, government, and literature will be especially considered.

451—The Renaissance. (3).

A study of the achievements and forces, political and economic, social and cultural, creative and intellectual, which made up this fascinating foundation of modern western and European culture.

452—The Age of the Reformation. (3).

This course offers the history of the Age of the Reformation in European history.

453—The Age of Absolutism. (3).

This course describes the development of Europe from the Peace of Westphalia to the Enlightenment. Primary emphasis will be placed on political history, but attention will be given to intellectual, scientific, and social developments.

## **UNITED STATES HISTORY**

221—United States to 1865. (3).

222—The United States Since 1865. (3).

321—Colonial America. (3).

A study of English America before 1783. Considerable attention is also given to Spanish, French, and Dutch colonization.

322—The West. (3).

A study of the significance of the frontier in the development of the United States from the Revolutionary period to 1890.

## 331—American Diplomatic History to 1889. (3).

This course begins with the diplomatic history of the Revolution and emphasizes treaties and foreign relations as they affected the expansion and development of the United States to 1889.

## 332—American Diplomatic History since 1889. (3).

A continuation of 331, beginning with the development of Pan-Americanism and extending through the diplomacy of World War II.

## 341—Economic History of the United States to 1877. (3).

## 342—Economic History of the United States since 1877. (3).

## 421—Foundations of Twentieth-Century America. (3).

A comprehensive study of the United States from the end of the Civil War to the outbreak of World War I.

## 422—Recent American History. (3).

A comprehensive study of the United States from World War I to the present.

## 431—Tennessee. (3).

The political, economic, and social development of Tennessee from 1769 to 1861 is emphasized. A study is made of the land question, Indian affairs, internal improvements, early educational developments, the Constitutional Convention of 1834, the slavery controversy, and secession.

## 432—The Old South. (3).

This course begins with a study of the colonial South and traces its history to secession. It involves a study of the economic and social patterns of the South in their relation to Southern ideology. Special attention is devoted to the Southern political leader and the relation of slavery to his thought and political ideas.

## 433—Civil War. (3).

A study of the causes of the Civil War, the campaigns of the war, and of internal conditions in the Union and in the Confederacy.

## 461—Intellectual History of the United States to 1861. (3).

## 462—Intellectual History of the United States Since 1861. (3).

### LATIN AMERICAN HISTORY

## 371—Latin America to 1825. (3).

A survey of Latin American history, beginning with the pre-Columbian Indian civilizations, and tracing the discovery, conquest, colonial period, and independence movements to 1825.

## 372—Latin America Since 1825. (3).

A continuation of History 371, tracing the development of the Latin American nations from independence to the present.

## 471—Latin America in World Affairs. (3).

A study of the role of Latin American nations in international affairs in the nineteenth and twentieth centuries, with special attention devoted to the Inter-American system and the United Nations.

472—Brazil. (3).

A survey of the history of Brazil including the pre-Columbian period, the colonial period, independence, and recent developments, with special attention devoted to cultural and social development.

475—Mexico. (3).

A survey of the history of Mexico from pre-Columbian civilizations through the conquest, colonization, colonial period, independence, Revolution of 1910, and modern developments.

### **Graduate Courses**

Note: Courses preceded by "G" are described above.

G402—Russian History. (3).

G411—The French Revolution. (3).

G412—Europe in the Nineteenth Century. (3).

G413—Europe in the Twentieth Century. (3).

G421—Foundations of Twentieth-Century America. (3).

G422—Recent American History. (3).

G431—Tennessee. (3).

G432—The Old South. (3).

G433—Civil War. (3).

G441—History of the Ancient Near East. (3).

G442—History of Greece. (3).

G443—The History of Rome. (3).

G451—The Renaissance. (3).

G452—The Age of the Reformation. (3).

G453—The Age of Absolutism. (3).

G471—Latin America in World Affairs. (3).

G472—Brazil. (3).

G475—Mexico. (3).

500—Historical Method. (3).

506—Early Colonial Studies. (3).

507—Recent Colonial Studies. (3).

516—European Diplomacy, 1870-1918. (3).

517—European Diplomacy since 1918. (3).

521—The Revolutionary Era, 1763-1789. (3).

522—Jeffersonian and Jacksonian Democracy. (3).

527—The New South. (3).

528—The Progressive Movement in American History. (3).

539—Seminar in History. (3).

593—Thesis Writing. (3).

## DEPARTMENT OF JOURNALISM

Mr. Williams, Chairman

Mrs. Spencer

A major in journalism may work for either a Bachelor of Arts or a Bachelor of Science degree. The requirements in journalism will be identical for both degrees, but students are advised to consult the catalog for general university requirements and specific school requirements for these degrees.

A major in journalism will include a minimum of 24 semester hours, including Journalism 211 and 212. The major must also include Journalism 311 (Reporting), Journalism 332 (Feature and Article Writing), and Journalism 330 (Radio News Writing and Editing.) All journalism students must take Marketing 351 (Principles of Advertising) during the junior or senior year. The remainder of the courses in journalism will be electives. All majors must include 12 hours in upper-division journalism courses.

A minor in journalism will include a minimum of 18 semester hours, including Journalism 211 and 212. Other courses will be selected in accordance with the student's plans to use journalism. All minors must include at least 6 hours of upper-division journalism courses.

Students planning to take a major or minor in journalism should enroll during their freshman year in Journalism 101 and 102. During their sophomore year Journalism 211 and 212 will be taken. These are the only courses offered on the freshman-sophomore levels.

Students are encouraged to work on *The Tiger Rag*, student weekly newspaper, or *The DeSoto*, the yearbook, during their early years at Memphis State. However, no credit for this will be given until their senior year. Both publications will be used for practice work in other classes as frequently as possible.

## DESCRIPTION OF COURSES

### 101—Survey of Mass Communications. (1).

An introduction to the broad field of journalism with an effort to present each field, such as the newspaper, magazine, radio and television, to the student so that he may decide whether his interests lie in this or in some other profession. This will be an orientation course for students considering journalism as a major. Students will observe the workings of the student newspaper and yearbook and will be given an opportunity to work on these publications.

### 102—Survey of Mass Communications (continued). (1).

A continuation of Journalism 101, offered during the second semester.

### 211—Introduction to Modern Journalism. (3).

A survey course in the social background, the scope, the functions, the organization of modern mass media of communication. Attention will be given to the newspaper, the magazine, radio and television.

### 212—Elementary News Writing. (3).

A study of the news story structure with practice in writing the simpler types. It also will include a study of the factors that determine the value of news. Both the practical and theoretical aspects will be considered.

311—Reporting. (3).

Based on assignment work for **The Tiger Rag**, student weekly newspaper. These assignments will cover the entire range of community news and will provide experience in getting and writing local stories.

312—Copyreading and Newspaper Makeup. (3).

Analysis of headline writing and discussion of page makeup of the newspaper, with **The Tiger Rag** used as a laboratory.

321—Literary Journalism. (3).

A survey of the lives and works of journalists who have attained fame in literature. An attempt will be made to answer the question: Are literature and journalism compatible? Some time will be devoted to bibliographical study. This course is offered alternate years.

322—Advanced Reporting. (3).

A course intended to develop further the complete reporter by building on the foundations laid in Course 311. Attention will be paid to specialized reporting, including featurized news, sports, society, critical writing, handling publicity. **The Tiger Rag** will be used as a laboratory.

330—Radio News Writing and Editing. (3).

This is a course in the processing of news for radio. Students will study radio news style, practice and preparation of special-event reporting. Students must have a knowledge of current events. Work will include one lecture period each week at the college and four hours each week working in Memphis radio station news rooms.

332—Feature and Article Writing. (3).

A study of the magazine market and the techniques involved in writing the feature story. Students will write and submit articles for publication in magazines, newspapers, and for acceptance by syndicates. Attention will be paid to requirements for periodicals to which sale is attempted.

340—Pictorial Journalism. (2).

The selection and arrangement of illustrative material for newspapers and magazines. The analysis, use, and influence of the news picture will be studied. The technique of the "picture story" will be approached and the role of the picture magazine in the field of communication will be discussed. Two lecture periods weekly, with some laboratory work from time to time.

401-402—Journalism Laboratory. (1 credit each semester).

Internships for students who have completed basic courses in journalism or whose work in other phases of journalism will prepare them to handle the duties. Students may take work on either (a) **The Tiger Rag**, student newspaper, or (b) **The DeSoto**, student yearbook. Only seniors are permitted to enter these courses.

411—History of Journalism. (3).

A study of the origin of journalism in America and its development in the United States to the present time. It is recommended a

student complete courses in United States history before enrolling in this class. No other journalism courses are required prior to taking this course.

412—The Editorial. (3).

A study of the work of the editor and editorial writer with emphasis upon editorial writing and thinking. Editorial problems, methods, policies, and style will be studied. This course is offered alternate years with Course 321.

413—The Community Newspaper. (3).

A survey of the problem of the community newspaper administration. Historical and contemporary views of the small town daily and country weekly newspaper will be studied in their economic, social and cultural aspects, with emphasis on the role of the editor in community life.

421—Journalism in the Secondary Schools. (3).

Intended primarily for those who expect to teach journalism in high school or to supervise high school publications. Financial problems, manner of directing high school courses and publications, and their relation to educational objectives will be discussed.

425—Book Reviewing and Criticism. (3).

Contemporary book editions are evaluated and critical reviews written for newspaper publication. Lectures are devoted to the principles of reviewing. Admission to course by approval of department only.

450—Public Relations. (3).

A survey course presenting the field of public relations to the layman so he may best deal with newspapers, radio and television stations, and other media. A course designed to aid all individuals to better their contacts with these media so that all may gain through better handling of news.

### Graduate Course

Course preceded by "G" is described above.

G450—Public Relations. (3).

## DEPARTMENT OF MATHEMATICS

**Mr. Kaltenborn, Chairman**

**Mr. Anderson, Mr. Burchette, Mrs. Kaltenborn, Mr. Ledbetter,  
Mrs. McBride, Mr. Poole, Mr. Potter, Mr. Reeves, Mr. Walker,  
Mr. Wheat, Mr. Woods**

This department offers basic mathematics training appropriate to the various programs of study. While it is not necessary that every student acquire a working knowledge of mathematics, it is desirable that every student obtain at least a general acquaintance with the nature of Mathematics as an essential part of a well-rounded education. The course, *Fundamental Concepts of Mathematics* (Math. 101, 102), is designed to fill this need. This course is recommended for students wishing to satisfy the natural science requirement for the B.A. or B.S. degree.

Technical courses in mathematics are offered for students in the natural sciences or engineering. Pre-Engineering students who lack high school credit in solid geometry should schedule this course (Math. 100). Students who lack adequate background in high school algebra should complete Math. 121 before scheduling College Algebra (Math. 141).

Requirements in mathematics for teacher certification are listed elsewhere in this catalog, under the School of Education. Students majoring in mathematics who wish to obtain teaching certificates must comply with all the general and professional requirements described by the School of Education.

Students majoring in mathematics may choose either the Bachelor of Science or the Bachelor of Arts degree. For either degree, the minimum requirements in mathematics are: one year of calculus (Math. 311, 312) and its prerequisites (Math. 141, 142, 143), and 9 semester hours in courses numbered above 312. In addition, one year of either physics or chemistry is required.

A minor in mathematics consists of not less than 18 semester hours, including at least 6 hours numbered above 299.

### Description of Courses

100—Solid Geometry. (2).

101—Fundamental Concepts of Mathematics. (3).

A general cultural course presenting an over-all picture of mathematics. Study of number systems, pictorial representation, algebraic processes, geometric processes, and consumer mathematics. Emphasis on major concepts of number, measure, function and proof.

102—Fundamental Concepts of Mathematics. (3).

Continuation of Mathematics 101. Study of logarithms, trigonometry, graphing, conic sections, and introduction to calculus. Note: Only one of the courses Math. 102 and 121 may be taken for credit.

121—Basic Mathematics. (3).

Functional arithmetic, operations of algebra, a study of business applications of mathematics.

## 122—Basic Mathematics. (3).

Intermediate algebra, including quadratic equation and binomial theorem; curve tracing; scale drawings; trigonometric functions.

Prerequisite: Math. 121 or permission of the department.

## 141—College Algebra. (3).

Prerequisite: Math. 102 or 122, or permission of the department.

## 142—Trigonometry. (3).

Prerequisite: Math. 141, or permission of the department.

## 143—Analytic Geometry. (3).

Prerequisite: Plane geometry and Math. 141.

## 301—Mathematics of Finance. (3).

Prerequisite: Math. 102 or 121.

## 311—Calculus. (5).

Prerequisite: Math. 143.

## 312—Calculus. (5).

Prerequisite: Math. 311.

## 321—Statistics. (3).

Prerequisite: Math. 122 or 141.

## 322—Statistics. (3).

Prerequisite: Math. 321.

Courses numbered above 400 are offered in alternate years. Courses 421, 422, 461, 471, 472 will be offered in 1957-58.

## 411—Applied Mathematics. (3).

Prerequisite: Math. 312.

## 412—Applied Mathematics. (3).

Prerequisite: Math. 411.

## 421—History of Mathematics. (3).

Prerequisite: Math. 141.

## 422—Theory of Numbers. (3).

Prerequisite: Math. 141.

## 441—Algebraic Theory. (3).

Prerequisite: Math. 141.

## 442—Algebraic Theory. (3).

Prerequisite: Math. 441.

## 461—College Geometry. (3).

Prerequisite: Math. 141.

## 471—Mathematical Analysis. (3).

Prerequisite: Math. 312.

## 472—Mathematical Analysis. (3).

Prerequisite: Math. 471.

### Graduate Courses

Courses preceded by "G" are described above.

## G421—History of Mathematics. (3).

## G422—Theory of Numbers. (3).

## G441—Algebraic Theory. (3).

## G442—Algebraic Theory. (3).

## G461—College Geometry. (3).

## G471—Mathematical Analysis. (3).

## G472—Mathematical Analysis. (3).

## DEPARTMENT OF MUSIC

**Mr. Harris, Chairman**

**Mr. Blickensderfer, Mr. DeFrank, Mr. Eaheart, Miss Gandy,  
Mr. Gilbert, Mr. Haggh, Mr. Hale, Mrs. Maxwell, Mr. Robertson,  
Mrs. Taylor, Mr. Webber**

### MUSIC MAJOR

Students who wish to secure the Bachelor of Arts or the Bachelor of Science degree in the School of Arts and Sciences with a major in music may elect any one of four fields of concentration, i.e., music history and literature, music theory, applied music, or church music.

Majors in music are required to complete 40 hours of general requirements called the music core, plus additional specialized courses in one chosen field of concentration. These courses are listed below.

#### Music Core (Major)

111A, 111B, 112A, 112B—Music Theory I.....	10
211, 212—Music Theory II.....	10
301—Counterpoint .....	2
308—Form and Analysis.....	2
315—Instrumentation .....	2
317—Conducting and Score Reading.....	2
401, 402—History of Music.....	4
Piano, Organ, Voice, Orchestral Instrument.....	8
(Completion of sophomore requirements)	
Total	40

#### Fields of Concentration (Choose one)

<b>I. Music History and Literature</b>	
A. Core Subjects .....	40
B. Advanced History and Literature Courses .....	9
411—Comparative Arts. (3).	
412—Modern Music. (3).	
413—The Opera and the Music Drama. (3).	
414—Keyboard Literature. (3).	
Total	49
<b>II. Music Theory</b>	
A. Core Subjects .....	40
B. Advanced Theory <sup>1</sup> .....	8
302, 303—Canon and Fugue. (2 credits each semester.)	
405, 406—Composition. (2 credits each semester.)	
Total	48

<sup>1</sup>Individual instruction with additional fees as stated for applied music courses.

III. Applied Music (Senior recital required)	
A. Core Subjects .....	40
B. Piano, Voice, Organ, Orchestral Instrument at Upper Division level.....	8
Total	48

The student who majors in applied music and also wishes to become certified to teach public school music may, with approval of the Director of the School of Arts and Sciences and the Chairman of the Department of Music Education, substitute the music core required in the School of Education for the music core required in the School of Arts and Sciences.

IV. Church Music	
A. Core Subjects .....	40
B. Church Music .....	9
417—Choral Techniques. (3).	
418—Sacred Music I. (3).	
419—Sacred Music II. (3).	
Total	49

### MUSIC MINOR

The student in the School of Arts and Sciences who wishes to minor in music may select any one of three different fields of concentration, i.e., music history and literature, applied music, or church music. Minors in music are required to complete a music core of 24 hours credit plus additional specialized courses in one chosen field of concentration.

#### Music Core (Minor)

111A, 111B, 112A, 112B—Music Theory I.....	10
308—Form and Analysis.....	2
401, 402—History of Music.....	4
Piano, Voice, Organ, or Orchestral Instrument.....	8
Total	24

#### Fields of Concentration

I. Music History and Literature	
A. Core .....	24
B. Advanced History and Literature Courses.....	6
(Chosen with the advisor's approval)	
Total	30
II. Applied Music	
A. Core .....	24
B. Applied Music (At Upper Division Level).....	8
Total	32
III. Church Music	
A. Core .....	24
B. Church Music .....	8
317—Conducting. (2).	
417—Choral Techniques. (3).	
419—Sacred Music II, or Mus. 418—Sacred Music I. (3).	32

## DESCRIPTION OF COURSES

111A, 112A—Music Theory I. (3 credits each semester).

111B, 112B—Music Theory I (Aural). (2 credits each semester).

These courses constitute a correlated study of the rudiments of music, including harmony, counterpoint, homophonic forms, sight-singing, and ear-training. 111A and 112A meet for three lecture periods weekly; 111B and 112B meet for two laboratory periods and one lecture period weekly.

211, 212—Music Theory II. (5 credits each semester).

Continuation of Music 112A and 112B. Four hours lecture; two hours laboratory.

301—Counterpoint. (2).

The writing of counterpoint in two and three parts. Study of both the vocal polyphony of the sixteenth century motet and the contrapuntal practices of eighteenth century instrumental forms. Prerequisite: Mus. 112A, 112B.

302, 303—Canon and Fugue. (2 credits each semester).

A study of the fundamentals of canonic and fugal writing, including the analysis of important works by Bach. Composition of canons and fugues. Prerequisite: Mus. 301.

305, 306—Composition. (2 credits each semester).

Compositions in the smaller forms and the sonata form, utilizing both vocal and instrumental mediums. Study of contemporary compositional techniques. Analysis of important standard and contemporary compositions. (Individual study with added fees as under Applied Music.) Prerequisite: Instructor's permission.

308, 309—Form and Analysis. (2 credits each semester).

A study of the basic principles underlying the formal structure of music. Outstanding examples of the suite, sonata, and symphony are analyzed. Prerequisite: Mus. 112A, 112B.

315, 316—Instrumentation. (2 credits each semester).

A study of the compass, possibilities, and tonal characteristics of orchestral and band instruments. Arranging of various types of compositions for string, wood-wind, and brass ensembles. Piano, organ, and choral compositions arranged for full orchestra. Transcriptions of selected works for band. Prerequisite: Mus. 112A, 112B.

317, 318—Conducting and Score Reading. (2 credits each semester).

Study of the fundamentals of conducting in both choral and instrumental fields. Individual practice in conducting with the opportunity for each student to conduct vocal and instrumental groups. Prerequisite: Mus. 112A, 112B.

319—Music Appreciation. (3).

An introduction to music through a study of its literature and history. Significant compositions are oriented to their proper social, cultural, economic, and political settings in order to bring about the most effective understanding and enjoyment of the music. Open to juniors and seniors without prerequisite.

**401, 402—History of Music. (2 credits each semester).**

A study of the development of the significant musical styles with special attention to the individual contributions of the major composers. Music representative of the various epochs heard through extensive use of phonograph recordings. Prerequisite: Instructor's permission.

**405, 406—Composition II. (2 credits each semester).**

Continuation of Music 306 with composition in the larger forms. (Individual study with added fees as under Applied Music).

**411—Comparative Arts. (3).**

A study of cultural activities in their interrelation with each other, and with corresponding historic and economic events. Open to non-music majors without prerequisite.

**412—Modern Music. (3).**

A study of contemporary music and composers from Debussy to the present time. The works of Stravinsky, Bartok, Hindemith, and Schoenberg will be considered as well as the works of American contemporaries. Open to non-music majors without prerequisite.

**413—The Opera and the Music Drama. (3).**

A survey of the opera before Wagner, a study of the music dramas of Richard Wagner and the operas of his contemporaries. The dramatic and musical significance of each phase of the development of the two forms. Open to non-music majors without prerequisite.

**414—Keyboard Instrument Literature. (3).**

A survey of the literature of the early keyboard instruments, the piano, and the organ emphasizing the styles of composition as well as the development of the instruments. The "sound-ideal" of each period. Open to non-music majors without prerequisite.

**417—Choral Techniques. (3).**

Organizing and developing accompanied and unaccompanied choral groups at all levels. Rehearsal procedures; materials; conducting. Prerequisite: Mus. 317.

**418—Sacred Music I. (3).**

Music in the history of the Protestant church; hymnology and the performance of hymns; church choir organization; planning the service; organ and choral repertory. Open to non-music majors without prerequisite.

**419—Sacred Music II. (3).**

The development and present significance of Roman, Lutheran, and Anglican liturgical music; its relationship to the worship services of non-liturgical denominations. Open to non-music majors without prerequisite.

### **APPLIED MUSIC**

Applied music study is offered at two distinct levels, (1) preparatory, and (2) collegiate. Lessons are given on the campus by regular faculty members and by affiliated instructors. Practice facilities are provided without charge but additional fees are charged for the individual lessons. For the amount of fees, see "General Information, Fees and Expenses."

### **The Preparatory Level**

Any student regardless of initial degree of advancement may register for individual lessons at the preparatory level.

**CREDIT:** One semester hour credit will be granted for one thirty-minute lesson weekly. Two semester hours credit will be granted for two thirty-minute lessons weekly. Practice hours will be assigned by the instructor to meet the needs of the student.

071—Preparatory Piano. Individual Lessons. (1 or 2 credits each semester).

081—Preparatory Orchestral Instruments. Individual Lessons. (1 or 2 credits each semester).

091—Preparatory Voice. Individual Lessons. (1 or 2 credits each semester).

095—Preparatory Organ. Individual Lessons. (1 or 2 credits each semester).

### **The Collegiate Level**

All students who desire to enroll in courses at this level will be given a placement test which pre-supposes extensive training prior to university entrance. Those who fail will study at the preparatory level until such a time as they are able to pass the placement test.

**CREDIT:** Two semester hours credit for one thirty-minute lesson and a minimum of twelve hours practice weekly. (With the instructor's permission, students who are unable to meet the minimum practice requirements for two hours credit may register for one semester hour credit.) Four semester hours credit for two thirty-minute lessons and a minimum of eighteen hours practice weekly.

**EXAMINATION:** Each student at the collegiate level will prepare and present musical selections and technical exercises of a grade of difficulty appropriate to his standing. The examinations will be given near the end of each semester and will be attended by all, or any portion, of the faculty of the Department of Music. No credit will be awarded to a student who fails to take the examination.

**CLASS STANDING:** Compositions and technical requirements listed with each of the course numbers in the following section are intended to suggest only the approximate grade and not the extent of study to be carried out each year. Normally, it is expected that a student will complete eight semester hours of work at one class standing before advancing to the succeeding class standing.

171—Piano. Individual Lessons. (1, 2, or 4 credits each semester).

**Prerequisite:** Ability to perform Bach Two-Part Inventions, a movement from a simpler Beethoven Sonata, or compositions of equal difficulty.

**Bach:** French Suites; selected Preludes and Fugues from **Well-Tempered Keyboard**. Beethoven: Sonatas, Op. 2, No. 1; Op. 26. Compositions of Romantic and contemporary composers. Scales and arpeggios at moderate tempos.

271. Piano. Individual Lessons. (1, 2, or 4 credits each semester).

Bach: English Suites; selected Preludes and Fugues from **Well-Tempered Keyboard**. Beethoven: Sonatas, Op. 28; Op. 79. Sonatas of Mozart and Haydn. Compositions of Schumann, Chopin, Brahms, and contemporary composers. Scales and arpeggios at more rapid tempos.

371. Piano. Individual Lessons. (1, 2, or 4 credits each semester).

Bach: Partitas; selected Preludes and Fugues from **Well-Tempered Keyboard**. Beethoven: Sonatas, Op. 90; Op. 31, Nos. 2 and 3; Op. 10, No. 3. Sonatas of Mozart and Haydn. Concertos of Mozart, Schumann, Mendelssohn, Grieg. Scales and arpeggios at maximum speeds.

471. Piano. Individual Lessons. (1, 2, or 4 credits each semester).

Bach: Chromatic Fantasy and Fugue; Italian Concerto; Toccatas. Beethoven: Sonatas, Op. 52; Op. 57; Op. 110. Concertos of Beethoven and Mozart. Sonatas of Brahms, Schumann, Chopin, Prokofieff, Hindemith. Difficult compositions of Romantic and contemporary composers. A full public recital creditably presented.

181. Orchestral Instruments, Individual Lessons. (1, 2, or 4 credits each semester).

281. Orchestral Instruments. Individual Lessons. (1, 2, or 4 credits each semester).

381. Orchestral Instruments. Individual Lessons. (1, 2, or 4 credits each semester).

481. Orchestral Instruments. Individual Lessons. (1, 2, or 4 credits each semester).

The specific requirements for each of the orchestral instruments may be obtained by writing to the Chairman of the Department of Music. These requirements are similar in their general nature to those enumerated for piano, voice, and organ. The instrumental major must present a senior recital, appear as soloist with the orchestra, have four years orchestral and chamber music experience, and be able to play piano accompaniments of average difficulty.

191. Voice. Individual Lessons. (1, 2, or 4 credits each semester).

Correct posture and breathing. Enunciation and pronunciation as applied to singing. Easier vocalises by Marchesi, Vaccai, Seber, Concone, and others. Standard songs and simpler classics by Franz, Handel, Schubert and others in English. Italian diction.

291. Voice. Individual Lessons. (1, 2, or 4 credits each semester).

Special attention to tone quality and pitch consciousness. Major, minor and chromatic scales; arpeggi. Exercises to develop agility, flexibility, staccato, and sustained tone. Songs of the old Italian masters in Italian. Songs of Mozart, Schubert, Schumann, and others in German and English.

391. Voice. Individual Lessons. (1, 2, or 4 credits each semester).

Development of style and interpretation. Songs in French. Study of the recitative form. Arias in Italian, French, German, and English. Songs by Brahms and Wolf. Songs by representative contemporary composers.

491. Voice. Individual Lessons. (1, 2, or 4 credits each semester).

Building a concert repertory. Stage presence. Modern songs of all countries in the original languages and in English. A full recital creditably presented.

(Voice majors must be able to play piano accompaniments of average difficulty. A minimum of 6 credits in French and 6 credits in German must be earned before graduation.)

195. Organ. Individual Lessons. (1, 2, or 4 credits each semester).

Prerequisite: Freshman standing in piano.

Gleason: **Method of Organ Playing**. Bach: Short Preludes and Fugues; Christ lag in Todesbanden, from *Orgelbuchlein*. Easier selections by contemporary composers.

295. Organ. Individual Lessons. (1, 2, or 4 credits each semester).

Gleason: Continuation of **Method of Organ Playing**; Bach: Prelude and Fugue in A major; In dir ist Freude, from *Orgelbuchlein*. Bonnett: selections from Vol. I, **Historical Recital Series**. Suitable selections by contemporary composers.

395. Organ. Individual Lessons. (1, 2, or 4 credits each semester).

Bach: Toccata and Fugue in D minor; Second Sonata; Choral Prelude, Nun Komm, der Heiden Heiland. Franck: Piece Heroic. Mendelssohn: selected movements from the six sonatas.

495. Organ. Individual Lessons. (1, 2, or 4 credits each semester).

Bach: Fantasie and Fugue in G minor; Chorale Prelude, Nun freut euch. Franck: Chorales in A minor, E major. Widor and Vierne: selected movements from the symphonies. Selected compositions by Dupre, Mulet, Karg-Elert, Sowerby, Messiaen, and others.

### **Music Organizations.**

151, 251, 351, 451—University Band. (1 credit each semester).

The university band is open to all qualified students of the university. During the fall, much of the band's activity is directed toward preparation of half-time demonstrations for football games. At other times, emphasis is given to the band as a concert organization. Three hours laboratory.

154, 254, 354, 454—University Orchestra. (1 credit each semester).

The orchestra offers opportunities for sight-reading and orchestral routines to the more capable students of string and wind instruments. Standard overtures, suites, and symphonies are studied and presented in concert. The orchestra also appears with the college choir in joint presentations of opera and oratorio. Three hours laboratory.

161, 261, 361, 461—University Choir. (1 credit each semester).

Open to all qualified students who like to sing; standard choral, oratorio, and operatic literature is studied and presented in concert. Three hours laboratory.

### **Music Education Courses.**

For description of music education requirements and courses see School of Education, Department of Music Education.

## DEPARTMENT OF PHILOSOPHY AND PSYCHOLOGY

**Mr. Hughes, Chairman**

**Mr. Anderson, Mr. Coble, Miss Cohen, Mr. McCann, Mr. Soika**

Required for the major: 18 hours in psychology, 6 of which must be from the 300-400 level, and 6 hours in philosophy.

Required for the minor: 18 hours in psychology, or 15 hours in psychology and 3 hours in philosophy.

Psychology 112 is prerequisite for all other courses in psychology.

Philosophy courses are open to seniors and second semester juniors.

### **Description of Courses**

#### **PSYCHOLOGY**

Psychology 112—General Psychology. (3).

The mental structure; the functions of the muscular-glandular system and the nervous system in behavior. The fundamentals of adjustment to environment.

113—Psychology of Personal Adjustment. (3).

This course (following 112) is intended as a terminal course for those who do not plan to continue in psychology, and as an introduction to the topics treated more intensively in advanced courses.

211—Psychology of Vocational Adjustment. (3).

A study of the abilities, interests, and personal qualities that should determine the choice of a vocation, by means of a battery of personality tests, and tests of scientific, musical, business, art, and mechanical aptitudes.

212—Psychology in Business and Industry. (3).

Attitudes, morale, skill, motivation, fatigue, and other psychological factors important in employer and employee relations in business and industry.

213—Social Psychology. (3).

A study of the influences of group behavior and cultural traditions upon the individual's vocational, domestic, and social adjustments. The psychological factors in the major problems of today.

311—Psychology of Personality. (3).

A study of the origins of personality traits and their development into normal patterns of behavior.

312—Psychology of Behavior Disorders. (3).

Descriptions and interpretations of types of behavior deviating from the normal. Distinction between the functional and the organic causes of the neuroses and psychoses.

313—Great Contributions to Psychology. (3).

Binet's studies of intelligence; Galton's studies of individual differences; Pavlov's experiments in conditioning; Thorndike's animal experiments; Watson's studies of infant behavior; Cannon's studies of emotional behavior, and others.

**314—Principles and Theories of Learning. (3).**

Discussion and evaluation of the major concepts, theories, and research findings in regard to efficient learning and problem solving.

**411—History of Psychology. (3).**

A general orientation course covering the historical antecedents and systems of psychology, and practice in the use of library research materials. Prerequisite: 9 semester hours in psychology.

**412—Physiological Psychology. (3).**

An introductory study of the physiological functions involved in behavior and experience. Surveys the physiology of the sense organs, nervous system and response mechanisms, with special reference to preparation for advanced or graduate work in psychology. Prerequisite: 9 semester hours in psychology.

**413—Measurements of Intelligence. (3).**

The nature of the reasoning processes upon which intelligence tests are based. Instruction and practice in the administration, scoring, and interpretation of individual tests of intelligence. Prerequisite: 9 hours in psychology.

**414—Psychology of Exceptional Children. (3).**

Home and school problems of handicapped, retarded, emotionally unstable, precocious, or gifted children. Prerequisite: 9 semester hours in psychology.

### **PHILOSOPHY**

**411—Survey of Philosophy. (3).**

Historical survey of philosophical thought. A study of the systems of thought associated with the great names in western philosophy, and their connections with political and social circumstances.

**412—Ethics. (3).**

Moral and ethical problems of today and traditional attitudes toward them in the light of the biological, psychological, and social sciences.

**413—Philosophy of Education. (3).**

How a philosophy of education suited to the intellectual and emotional needs of men, and consistent with the ideas of democracy, can be derived from the study of literature and the fine arts, world history, science, and human relations.

**414—Problems in Philosophy. (3).**

A study of both classical and modern problems with special attention to contemporary developments in philosophy.

### **GRADUATE COURSES**

Courses preceded by "G" are described above.

Philosophy G411—Survey of Philosophy. (3).

G412—Ethics. (3).

G413—Philosophy of Education. (3).

Psychology G414—Psychology of Exceptional Children. (3).

**DEPARTMENT OF PHYSICAL SCIENCES****Mr. Fox, Chairman**

**Mr. Chanin, Mr. Claypool, Mr. Estes, Mr. Hayes,  
Mr. Holmes, Mr. Ijams, Mr. McNees, Mr. Nemitz, Mr. Schwaiger,  
Mr. Tanner**

Students majoring in chemistry must select 32 semester hours of credit from the chemistry courses listed in this catalog. General Inorganic Chemistry (111, 112) is a prerequisite for all other courses in chemistry. The courses required for a major in chemistry are:

1st year—Chemistry 111, 112 and Mathematics 121 or 141.

2nd year—Chemistry 211, 212 or Chemistry 321, 322.

3rd year—Chemistry 321, 322, or Chemistry 411, 412; or Chemistry 421, 422. Mathematics 311, 312 are desirable if Physical Chemistry (411, 412) is elected.

4th year—Chemistry 401, 402; or Chemistry 411, 412; or Chemistry 421, 422; or Chemistry 451, 452. Mathematics 311, 312 are desirable if Physical Chemistry (411, 412) is elected.

A minor in chemistry may be secured by completing 20 semester hours as follows:

Chemistry 111, 112 .....8 hours

Chemistry 321, 322 .....8 hours

An additional 4 hours—preferably Chemistry 401—must be taken.

A minor in physics may be secured by completing twenty semester hours as follows:

Physics 211, 212.....8 hours

An additional 12 hours selected from courses numbered above 299.

A student may major in physical science by acquiring 32 semester hours in chemistry and physics. Chemistry 111, 112 and Physics 211, 212 are required of physical science majors.

A student majoring in another field may attain a minor in physical science by completing 20 semester hours of courses in the physical sciences; this must include 8 semester hours selected from courses numbered above 299.

Students who plan to become high school science teachers should study carefully the state's certification law for science teachers.

**Description of Courses****Chemistry**

100s—Chemistry for Nurses. (4).

The aim of this course is to give sufficient applications of chemistry in health and disease to meet the needs of young women who enter the profession of nursing. The course is divided into three parts. About one-half of the semester is allocated to general chemistry, about one-fourth of the semester to organic chemistry, and one-fourth to biochemistry. Three hours lecture and two hours laboratory per week.

**111, 112—General Inorganic Chemistry. (4 credits each semester).**

This course is open to all freshmen; it is a prerequisite for all courses in chemistry except Chemistry 100s. This course is a comprehensive study of the basic laws and principles of general chemistry. The important metals and nonmetals are covered. Conference periods are arranged for those who have not had high school chemistry and for others who are deficient. The laboratory for Chemistry 112 is elementary qualitative analysis. Mathematics 121 or 141 is a prerequisite or a corequisite for Chemistry 111. Two hours lecture and four hours laboratory per week.

**200—Elementary Quantitative Analysis for Biological Sciences. (4).**

This course is designed for students in the biological sciences. Care and use of the analytical balance is stressed together with the theory and practice of volumetric analysis and colorimetry. The course does not count towards a chemistry major. Prerequisites: Chemistry 111, 112. Two hours lecture and four hours laboratory per week.

**201—Elementary Physical Chemistry. (4).**

A brief course in physical chemistry, primarily for students in the biological sciences. Designed to prepare the student for organic chemistry and the physical concepts of biochemistry. May be elected by students not majoring in chemistry. May be taken by chemistry majors for elective credit but not applied toward a major. Prerequisites: Chemistry 111-112 and Mathematics 142. Three hours lecture and two hours laboratory per week.

**211—Inorganic Qualitative Analysis. (5).**

This course is recommended for all chemistry majors, and it is a prerequisite for quantitative analysis (Chemistry 212, 421, 422). It is presented from the semimicro standpoint. This course includes a comprehensive study of cations, anions, insoluble compounds, alloys, and ores. Prerequisites: Chemistry 111, 112, Mathematics 121 or 141, and a working knowledge of exponential numbers and logarithms. Two hours lecture and six hours laboratory per week.

**212—Elementary Quantitative Analysis. (5).**

This course includes the more commonly used volumetric and gravimetric procedures. Prerequisite: Chemistry 211. Two hours lecture and six hours laboratory per week.

**321, 322—Organic Chemistry. (4 credits each semester).**

This course may be taken after Chemistry 111, 112. It covers aliphatic and aromatic compounds. Prerequisites: Chemistry 111, 112. Two hours lecture and four hours laboratory per week.

**331—Chemistry of Colloids. (3).**

This course deals with the fundamental principles of colloid chemistry. It is designed to give background to students who plan to enter the biological and/or chemical professions and related fields. Emphasis will be placed upon the principles of colloid chemistry, such as particle size, liquid surfaces, absorption, dispersion, emulsification, etc., and their applications. Prerequisites: Chemistry 211, 212, 321, 322. One hour lecture and four hours laboratory per week.

401, 402—Biochemistry. (4 credits each semester).

This course covers the fundamental physical and chemical mechanisms involved in the vital processes of living organisms. Prerequisites: Chemistry 321, 322. Two hours lecture and four hours laboratory per week.

411, 412—Physical Chemistry. (4 credits each semester).

This course deals with important theories, laws, and subject matter of physical chemistry. Prerequisites: Chemistry 211, 212, 321, 322, Physics 211, 212, Mathematics 121 or 141, and a good knowledge of logarithms. Mathematics 311, 312 are desirable. Three hours lecture and two hours laboratory per week.

421, 422—Quantitative Analysis. (4 credits each semester).

An advanced course. The more difficult gravimetric and volumetric procedures are considered. Prerequisites: Chemistry 211, 212. Two hours lecture and four hours laboratory per week. Additional work is required for graduate credit.

431—Applications of Colloid Chemistry. (3).

This course is a continuation of Chemistry 331 in which the principles of colloid chemistry are applied in the study of specific fields of concentration, such as cellulose, wood and wood chemicals, cotton products, foods, cosmetics and drugs. This course is designed to give the student specific instruction in the field of chemistry into which he plans to enter as a profession. One hour lecture and four hours laboratory per week. Prerequisite: Chemistry 331.

451, 452—Organic Preparations. (3 credits each semester).

The preparation and properties of organic compounds. Introduction to research methods. Prerequisites: Chemistry 211, 212, 321, 322. One hour lecture and four hours laboratory per week.

### **Physics**

111, 112—Introductory Physics. (3 credits each semester).

A course covering the fundamentals of physics and designed for students who do not have the mathematical background for a more technical course. The purpose of the course is to enable the student to acquire an understanding of the nature of physics through a thorough study of certain basic principles of the subject. It is particularly designed for those who do not expect to major in science or who have not had any previous physics in high school. It does not satisfy the requirements for pre-medical, pre-dental, or engineering students. Two hours lecture and two hours laboratory per week.

211, 212—General Physics. (4 credits each semester).

This is the standard physics course required for all pre-medical, pre-dental, pre-pharmacy, and pre-engineering students, as well as for those students who plan to be professional chemists, physicists, mathematicians, or science majors. The first semester covers the subjects of Mechanics, Heat, and Sound. The second semester covers the subjects of Light, Magnetism, Electricity, and Modern Physics. Mathematics 121, 122, or 141, 142 are prerequisites. Three hours lecture and two hours laboratory per week.

**311—Mechanics. (4).**

A one semester course designed for students who have completed Physics 212 and who desire a more advanced knowledge of classical mechanics in preparation for further courses in physics or engineering. Recommended for science and mathematics majors. Mathematics 311 is a corequisite. Three hours lecture and two hours laboratory per week.

**312—Electricity and Magnetism. (4).**

A one semester course designed for students who have completed Physics 212 and who desire a more advanced knowledge of the basic principles of electricity and magnetism. Electrostatics, magnetics, terrestrial magnetism, d.c. and a.c. circuits, Kirchoff's Laws, electromotive force, thermocouples, and other similar topics are covered in detail. Recommended for science and mathematics majors. Corequisite: Mathematics 312. Three hours lecture and 2 hours laboratory per week.

**411, 412—Atomic and Nuclear Physics. (4 credits each semester).**

A two semester course designed to give the students who have completed Physics 212 a more detailed study of the modern concepts of atomic and nuclear physics, the historical background of the subject, photo-electricity, X-rays, atomic structure, atomic spectra, the nucleus, natural and artificial radioactivity, accelerators, nuclear fission, nuclear forces, nuclear fusion, and nuclear structure are some of the topics covered in detail. Recommended for science majors as well as for engineering students desiring more than one year of college physics. Corequisites: Mathematics 311 and 312. Three hours lecture and two hours laboratory per week.

### **GRADUATE COURSES**

Note: Courses preceded by "G" are described above.

**G411—Physical Chemistry. (4).****G412—Physical Chemistry. (4).****G421—Quantitative Analysis. (4).****G422—Quantitative Analysis. (4).****G451—Organic Preparations. (3).****G452—Organic Preparations. (3).****521—Advanced Inorganic Qualitative Analysis. (4).****522—Advanced Inorganic Qualitative Analysis. (4).****531—Organic Qualitative Analysis. (3).****532—Organic Qualitative Analysis. (3).**

## DEPARTMENT OF SOCIAL SCIENCES

Mr. Johnson, Chairman

Mr. Flowers, Mr. Frye, Mr. Gordon, Mr. Guyton, Mr. Howard, Mr. J. M. Howell, Mr. R. N. Howell, Mr. Kirby, Mr. Matthews, Mr. Sisco, Mr. Snyder, Mr. Sobol

### DEPARTMENTAL REQUIREMENTS

1. The Army Map Service of Washington, D.C. has chosen the library at Memphis State University as a depository for some five thousand of its maps. These maps embrace all phases of social science work, and all students of the department will be directed to use them frequently.

2. Many of the courses in the department of social sciences are part of a six-hour sequence of a year's work in coherent subject matter. Students are urged to take sequent courses in order of listing and to complete the sequence before graduation. They are required to complete at least one sequence of courses in each academic year in their major subject.

3. All students taking 300 and 400 courses in the department are required to demonstrate their ability to do work satisfactory for graduation. This requirement may be met in junior and senior courses by the satisfactory completion of a written paper or other types of individual work of an equal nature.

4. Courses numbered below 199 are the only courses in the department open to freshmen.

### MAJORS AND MINORS

A major in economics is 24 hours, and a minor is 18 hours. The major consists of 211-2, 421-2, and 12 additional hours in the upper division. The minor consists of 211-2, 421 or 422, and 9 additional hours in the upper division. For either major or minor, the student also must complete Geography 121-2.

A major in geography is 24 hours, 12 of which must be in the upper division. It includes 121-2, 231-2 or 235-6, and 331-2. A student majoring in geography also must complete, as a part of his minor or as an elective, 6 hours in economics, 6 hours in history, and 6 hours in sociology.

A minor in geography is 18 hours. For all students, other than those majoring in physical sciences, it includes the first three years of work required for a major in geography. Students majoring in the physical sciences should take 411-2 instead of 331-2.

A major in political science is 24 hours, and a minor is 18 hours. The major consists of 211-2 and 18 additional hours in the upper division. The minor consists of 211-2 and 12 additional hours in the upper division. For either major or minor, the student also must complete Geography 121-2 or 235-6.

A major in sociology is 24 hours, and a minor is 18 hours. The major includes 211-2, 311, 322 or 412, and 422. The minor includes 211-2. For either major or minor, the student also must complete Geography 121-2. Sociology 211 is a prerequisite for 212, and 211-2 are prerequisites for 311, 321, and 322. For 312, 411, 412, 421, 422, 441, and 442, a prerequisite is 6 hours of sociology or permission of the chairman of the department.

**Description of Courses**

**ECONOMICS**

211-2—Principles of Economics I and II. (3 credits each semester).

An introduction to economic concepts and terminology and to the fundamental principles underlying the production, exchange, distribution, and consumption of income and wealth, together with the application of those principles to major contemporary problems. Attention is given to both the neo-classical and the national income methods of economic analysis.

221—Economics for Consumers. (3).

A popular study of consumer interests, problems, and movements in modern economic society.

311—Agricultural Economics. (3).

A study of the function and position of agriculture in the economic system, with special attention to the impact of agricultural problems and policies on life in the Mississippi Valley.

312—Labor Economics. (3).

A study of the role of labor in the economic system, with special attention to such problems as compensation, mobility, unemployment, unionism, collective bargaining, social security, and public policy.

321—Economics of Money and Banking. (3).

An analytical and historical study of the institutions of money, credit, and banking from the standpoint of the general public.

322—Economics of Public Finance. (3).

An analytical and historical study of government expenditures, revenues, and fiscal policy: their role in the American economic system.

331—International Economics. (3).

A study of the principles and problems of international economic relations: trade, finance, agreements, co-operation.

332—Economic Problems. (3).

An analytical and critical study of the major economic problems of our times with special attention to those of current public interest and significance.

421—Development of Economic Thought to 1848. (3).

An analytical and critical study of the development of economic thought from ancient times to 1848.

422—Development of Economic Thought Since 1848. (3).

An analytical and critical study of the development of economic thought from 1848 to the present time.

431—Economics of National Security. (3).

A study of the economic problems of war and national defense, including the preparations, readjustments, and maladjustments involved in war and defense activities.

432—Economic Fluctuations. (3).

A descriptive and analytical study of the nature, the causes, and the control of business cycles and other fluctuations in economic activity.

441—Political and Social Theory to 1700. (3).

A survey of early theory from different points of view, including economic, political, moral, and sociological orientations.

442—Political and Social Theory since 1700. (3).

A survey of recent theory from different points of view, including economic, political, moral, and sociological orientations.

**GEOGRAPHY****111-2—Physical Geography. (3 credits each semester).**

A study of the major elements of the natural environment as a foundation for better understanding the science of the earth. Courses include both laboratory and textbook assignments, and may be elected as a year of physical science by students qualifying for a B.A. or a B.S. degree. A one-day field trip is required for each course.

**121—Economic Geography: Major Basic Resources. (3).**

A study of man's development and use of such major basic resources as land, water, forests, and minerals.

**122—Economic Geography: Industrial and Commercial. (3).**

An introductory study of manufacturing, trade, and transportation.

**231—Latin America. (3).**

A geographic study of Mexico, Central America, the West Indies, and the continent of South America.

**232—Africa. (3).**

A geographic analysis of Africa as a foundation for a better understanding of how man occupies and uses the land in the various regions of the continent.

**235-6—Regional Geography of the World. (3 credits each semester).**

A survey of regional geography in selected areas throughout the world with emphasis on the people and their activities as related to the environmental setting.

**322—Historical Geography. (3).**

A study of the geography of selected areas of the United States for sequent periods of their occupancy by the white man.

**331-2—Anglo-America. (3 credits each semester).**

An analytical study of the cultural-physical complex in each of the major regions of the United States, Canada, and Alaska. Interrelationships among regions are stressed.

**341—Cartography. (3).**

An introductory course in (1) map projections, grids, scales, and symbols, (2) air photographs and map interpretation, and (3) simple map drafting. Course includes both lecture and laboratory work.

**351—Principles of Conservation. (3).**

Current problems and responsibilities relating to the conservation of soil, minerals, forests, water, wild life, and the natural beauty of the earth. A one-day field trip is required.

**411—Physiography. (3).**

An analytical study of soils and land forms, their changes and relations to man. Courses 411 and 412 are designed for students majoring or minoring either in the physical or the social sciences. Assignments include field trips in addition to textbook and laboratory work.

**412—Climatology. (3).**

An analytical study of climatic factors, climatic regions, and climatic effects on man.

425—Political Geography. (3).

A course dealing with the major powers of the world and strategic areas and problems of international concern.

431—Western Europe. (3).

A geographic analysis of the major regions of Western Europe. Study is limited in the main to those countries inhabited by people speaking the Romance and Germanic languages.

432—The Soviet Realm. (3).

A regional analysis of the Soviet Union and the Slavic speaking countries of Eastern Europe.

433—Asia South of the Soviet Realm. (3).

A consideration of the significance of regional differences in Japan, China, and India, and a brief survey of the remaining areas.

436—The South. (3).

A specialized study of selected regions in the South with emphasis on changes and trends in the cultural-physical complex.

437—Tennessee. (3 or 4).

A comparison of the political, physical, economic, and human-use regions of the state. A survey of land utilization in the state is made by human-use regions. A minimum of six days of field work is required for 4 hours credit.

441—Field Courses in Geography. (3 or 6).

441A—Local Field Study. (3).

This course includes: (1) a brief study of field planning and techniques, and (2) an application of these phenomena in reconnaissance field work and in the detailed mapping of physical and cultural features. Three half-day trips are required. Prerequisite: consent of instructor.

441B—Regional Field Study. (6).

A comparative study of at least four selected regions in the United States requiring the minimum of half a semester's work. The course is divided into three parts. The first is devoted to a library study of the regions to be traversed, the second requires a minimum of 16 days of study in the regions, and the third includes oral and written reports on parts one and two. Prerequisite: consent of instructor.

**POLITICAL SCIENCE****211—National Government. (3).**

A survey of the principles, structure, processes, and functions of the American national government.

**212—State and Local Government. (3).**

A survey of the structure, functions, and problems of state and local governments, with special emphasis placed on Tennessee.

**321-2—Comparative Government. (3 credits each semester).**

A survey and comparison of political institutions in selected foreign countries.

**331—International Politics. (3).**

An analysis of the theory and practice of international political relations.

**332—International Law and Organization. (3).**

A study of legal and organizational controls of international conflict.

**411—American Foreign Policy. (3).**

An analysis of American foreign policy, with emphasis on the factors involved in developing and implementing policy.

**414—Constitutional Law. (3).**

An analysis of the American Constitution through the use of leading cases in constitutional law.

**425—Political Geography. (3).**

A course dealing with the major powers of the world and strategic areas and problems of international concern.

**441—Political and Social Theory to 1700. (3).**

A survey of early theory from different points of view, including economic, political, moral, and sociological orientations.

**442—Political and Social Theory Since 1700. (3).**

A survey of recent theory from different points of view, including economic, political, moral, and sociological orientations.

**SOCIOLOGY****211—Man in Society. (3).**

Social groups, culture, social relations, development of personality, institutional patterns, social change.

**212—The Modern Community. (3).**

Ecological basis and structure of rural and urban society, problems facing town and country, recent tendencies toward control and planning.

**311—Social Organization. (3).**

Preliterate groups and primitive cultures, structure of social units, foundations of modern civilization.

**312—Life in the Family. (3).**

Family disorganization and organization, the changing family, problems of the modern family.

**321—Forces of Social Control. (3).**

Nature and significance of social regulation, forces promoting order and disorder, problems of social control in a dynamic society.

**322—Genesis of Social Attitudes. (3).**

Organization of attitudes, attitudes and wishes, complexes of attitudes, typical attitudes, attitudes as social forces.

**411—Criminology. (3).**

Study of crime, development of penological theory, contemporary function and organization of punishment, methods of detection and prevention.

**412—Dynamics of Collective Behavior. (3).**

Nature of the mass, types of crowds, behavior of the public, institutional development, social change through social movements.

**421—Contemporary Social Problems. (3).**

Meaning and scope of social disorganization, personal crises, family discord, group tensions, theories and practices in public policy.

**422—Modern Sociological Theories. (3).**

European contributions, American developments, recent trends and influences in sociological theory and research.

**441—Political and Social Theory to 1700. (3).**

A survey of early theory from different points of view, including economic, political, moral, and sociological orientations.

**442—Political and Social Theory Since 1700. (3).**

A survey of recent theory from different points of view, including economic, political, moral, and sociological orientations.

**GRADUATE COURSES AND FIELDS OF STUDY IN GEOGRAPHY**

Note: Courses preceded by "G" are described above.

**Physical Geography**

**G411—Physiography. (3).**

**G412—Climatology. (3).**

**511—Geography as an Earth Science. (3).**

**Economic, Historical, and Political Geography**

**G425—Political Geography. (3).**

521—Economic Geography: Agricultural. (3).

522—Economic Geography: Industrial and Commercial. (3).

### **Regional Geography**

G431—Western Europe. (3).

G432—The Soviet Realm. (3).

G433—Asia South of the Soviet Realm. (3).

G436—The South. (3).

G437—Tennessee. (3).

531—Seminar in Regional Geography. (3).

### **Cartographic and Field Geography**

G441—Field Geography

A. Introduction to Local Field Geography. (3).

B. Regional Field Study. (6).

### **Land Planning and Management**

G437—Tennessee. (3 or 4).

551—Conservation of National Resources. (3).

553—Urban Geography. (3).

### **Educational Geography**

561—Geographic Tools and Techniques. (3).

### **Theory, Problems, and Theses**

590—Development of Geographic Thought. (3).

591—Problems in Geography. (3).

A. Field of Regional Geography. (3).

B. Other Fields of Geography. (3).

593—Thesis. (3-6).

## **GRADUATE COURSES IN SOCIOLOGY**

G412—Dynamics of Collective Behavior. (3).

G421—Contemporary Social Problems. (3).

**DEPARTMENT OF SPEECH AND DRAMA****Mr. Streeter, Chairman****Mr. Bence, Miss Kempe, Mrs. Park, Mr. Rapp, Mr. Riggs, Mr. White**

Courses in the Department of Speech and Drama are designed to serve the following classes of students: 1. All those who desire the fundamental abilities and skills employed in such common activities as group discussion, reading aloud, and informal speech. 2. Potential elementary and high school teachers who need such knowledge regarding speech deficiencies as to enable them to diagnose the handicaps and possibly assist pupils in this most basic and personal activity. 3. Those who plan to enter vocations demanding special oral skills or desire to be teachers of speech. 4. Those students who wish to prepare themselves to direct dramatic productions in high schools and in community playhouses. 5. Those who wish to familiarize themselves with the art of dramatic production for the sake of enjoyment. 6. Those who wish a fundamental preparation for the profession of speech correctionist.

Through an affiliation with the Memphis Speech and Hearing Center, Memphis State University is able to offer to its students the facilities of that institution in the following ways: members of the staff of the Speech and Hearing Center will come to the Memphis State campus to teach courses in speech science and correction; and students registered in courses in speech science will be admitted to the Speech and Hearing Center for scheduled demonstrations and observations of clinical procedures used with children who have speech and hearing handicaps.

A major in speech and drama consists of at least 27 hours of course work, including the following courses: 100, 111, 231, 245, 251 (or 253), 300 (two semesters at 1 semester hour each), plus at least ten (10) additional semester hours of courses numbered above 299.

A minor in speech and drama consists of at least 18 hours of course work, including the following courses: 100, 111, 245, 300 (one semester), plus one of the following courses (231, 251, 252, 253), and plus at least five (5) semester hours of course work numbered above 299.

Students majoring in speech and drama are required to choose a second field of concentration in which they must complete at least the number of hours required by the School of Arts and Sciences for a minor.

**Description of Courses**

100—Introduction to Speech and Drama. (3).

A lecture course, considering the choices a speaker may make in communicating from the public platform, his invention of sound symbols, his production of voice, his efforts to rehabilitate disordered speech, and his progress in communicating through the art of the theatre.

1101—Business Speech. (3).

Basic principles of oral communication, with attention to the speaking situations of the business world.

1. Credit may be earned in only one of the following courses: 101, 111, 191.

**111—Basic Speech. (3).**

Includes adjustment to the speaking situation, effective voice usage, bodily activity, and speech organization.

**112—Types of Speech Making. (3).**

Deals with subject matter organization and use of language in different speaking situations. Prerequisite: Speech 101 or 111 or 191.

**152—Theatre Dialects. (3).**

A study of fifteen (15) dialects, both national and foreign. The cultural and physical traits of the nationalities involved are background for classroom use of these dialects. International Phonetic Alphabet used.

**191—Speaking for Teachers. (3).**

Considers the short talk, discussion techniques, and reading aloud.

**231—Principles of Argumentation. (3).**

Deals with the principles of argumentation, analysis, evidence, and the organization of the argumentative discourse. Prerequisite: Speech 112.

**245—Oral Reading and Diction. (3).**

Deals with the principles of reading aloud, plus the principles of effective voice usage. Prerequisite: Permission of instructor.

**251—Theatre: Back Stage. (3).**

A lecture-laboratory course covering basic elements of scenery construction and painting, fundamentals of stage lighting, plus properties and make-up.

**252—Theatre: On Stage. (3).**

A lecture-laboratory beginning course for directors.

**253—Elementary Acting. (3).**

A lecture-laboratory course covering the basic techniques and principles of acting.

**300—Forensic and Dramatic Activities. (1 credit each semester.)**

A course provided for those people who are interested in preparing for and participating in extracurricular intercollegiate forensic activities—debate, discussion, oratory, extempore speaking, impromptu speaking, radio speaking—and dramatic activities. One hour credit for each semester for three clock hours of supervised laboratory work per week. A maximum of 2 hours credit will be allowed toward graduation.

**331—Discussion and Debate. (3).**

Consideration and practice of the principles and techniques of discussion and debate, dealing with current problems of wide interest and significance. Prerequisite: Speech 231.

**332—Advanced Public Speaking. (3).**

Emphasis on the problems of the individual for developing his speaking personality, with reference to his professional plans. Prerequisite: Speech 231.

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<sup>1</sup>Credit may be earned in only one of the following courses: 101, 111, 191.

333—Parliamentary Procedures. (1).

Class members will form a practice parliament, using accepted rules of order in discussing and debating problems of wide interest.

345—Interpretative Reading. (3).

Principles and practice in the oral interpretation of literature including poetry, prose, and drama. Prerequisite: Permission of instructor.

351—Theatrical Design. (3).

The planning and practice of scene design for plays of all periods. Prerequisite: Permission of instructor.

352—Advanced Play Directing. (3).

The direction of the long play, modern and historical.

353—Advanced Acting. (3).

A course surveying acting styles from classicism to realism.

354—History of the Theatre. (3).

A history and survey of drama from "Agamemnon" to "A Month in the Country."

355—History of the Theatre. (3).

A history and survey of drama from "Ghosts" to "Death of a Salesman."

381—Radio Survey. (3).

Considers the origin, development, and practices of the radio industry.

382—Radio Production Procedures. (3).

The planning and production of radio scripts.

391—Methods in Teaching Speech. (3). (Same as Education 391P.)

Emphasis on the teaching of fundamentals of speech in the secondary school.

431—History of British and American Oratory. (3).

A history of the life, times and speeches of outstanding orators of England and America. Prerequisite: Permission of instructor.

433—Persuasion. (3).

A course in advanced theory of the psychology of speech, investigation of audience motivation, the theory of persuasive techniques, and practical application of all of these.

445—Interpretation of Dramatic Literature. (3).

Practice in the interpretation of dramatic materials: Solo and group work in the interpretation of short stories and plays of all periods. Prerequisite, Speech 245 and 345.

451—Costume Design for the Stage. (3).

A survey of historic dress and the planning and rendering of costume designs for plays of all periods. Class schedule: two lectures and one laboratory each week. Prerequisite: Permission of instructor.

452—Stage Lighting. (3).

The planning and execution of lighting for stage productions. Prerequisite: Permission of instructor.

**457—Playwriting. (3).**

Principles and practice in writing the one-act play. Prerequisite: Permission of instructor.

**465—Phonetics and Voice Improvement. (3).**

Knowledge and practice in the use of the International Phonetic Alphabet. Consideration of the physiology of the ear and vocal mechanism. Analysis of, and improvement techniques for the voices of the members of the class.

**466—Speech and Hearing Disorders. (3).**

A general introduction to the causes, symptoms, and effects of speech and hearing disorders.

**467—Principles and Methods of Speech Correction. (3).**

An introduction to the principles and methods of correcting speech and hearing disorders, with scheduled observations and demonstrations at the Memphis Speech and Hearing Center. Prerequisite: Permission of instructor.

**468—Hearing Conservation. (3).**

An introductory course dealing with the theory and techniques practiced in audiometry and speech reading. Prerequisite: Permission of instructor.

**491—Speech for the Classroom Teacher. (3).**

Deals with the speaking needs and abilities of teachers and students in the public schools.

**492—Play Production for Secondary Schools. (3).**

Considers the problems of the play director in high schools.

**493—Forensics in the High School. (3).**

Considers the problems of the director of speech activities in high schools. Prerequisite: Permission of instructor.

### **GRADUATE COURSES**

**G431—History of British and American Oratory. (3).****G466—Speech and Hearing Disorders. (3).****G492—Play Production for Secondary Schools. (3).****G493—Forensics in the High School. (3).**

# SCHOOL OF BUSINESS ADMINISTRATION

**Purpose.** The School of Business Administration was organized for the purpose of providing a program of professional education at the university level which will prepare young men and women to occupy positions of responsibility in business organizations or to operate businesses of their own successfully and efficiently; and to train superior teachers of business subjects.

During his first two years, the student will be called upon to take a number of liberal arts courses with a view to providing a breadth of general education and a foundation for the specialized business training which will be pursued in the junior and senior years.

**Careers in Accounting.** With the current expansion of business organizations, and the increases in the complexities of financial records resulting from Federal regulations, the demand for trained accountants is greater than at any previous period. Completion of the accounting curriculum prepares a student to enter this field.

Two laboratories are provided for pursuing work in the field of accounting. They are conveniently arranged with individual tables and with adequate blackboard space.

Also available is a laboratory for statistics and office machines. It is equipped with the several types of calculators—both key- and crank-driven—and with adding machines and other mechanical business devices.

**Careers in Finance and Management.** Students whose interests are in the fields of finance and management may prepare for either private or public employment. Private finance and management deals largely with operations of business enterprise while public finance is concerned primarily with city, state, and federal operations. Completion of the finance program, in addition to preparation for employment, qualifies an individual to pursue graduate work in economics and finance.

**Careers in Marketing and Sales.** Marketing is concerned with the distribution of commodities and services, a field which today has become highly complex. A student may prepare himself to enter the general marketing field, or he may specialize in merchandising at both the wholesaling and retailing levels. Preparation is given in the techniques of advertising and selling.

**Careers as Professional Secretaries.** The value of a secretary, either man or woman, who has a degree is receiving consistently increasing recognition by business executives. Students who complete the secretarial curriculum will experience no difficulty in meeting competition and in satisfying the demands of particular employers.

Two secretarial laboratories are available. One is primarily for typewriting instruction. The other is equipped with voice-writing machines, stencil- and spirit-duplicators, mimeoscopes, electric typewriters, and other varieties of secretarial equipment.

**Preparation for the Study of Law.** A good business background is valuable in the practice of law. For those of its students who expect to study law, the School of Business Administration provides a 3-year pre-law curriculum which will satisfy the general pre-law requirements set up by accredited law schools. Pre-law students who satisfy the requirements as set forth under "Three-year Pre-Professional Curriculum," pages 117 and 120, will be given a bachelor's degree by Memphis State University. The major may be in either accounting or finance.

It is recommended that each prospective pre-law student, before he enrolls in the university, procure the catalog of his selected law school in order to provide information as to entrance requirements and thus aid the counselor in outlining the student's progress in his pre-law preparation.

**American Institute of Accountants Examinations.** During the sophomore year, all students enrolled in the School of Business Administration are given the institute's orientation test. Later, all accounting majors are given the institute's achievement tests.

**Delta Sigma Pi Scholarship Key.** As one of the events in the annual commencement ceremonies, the School of Business Administration awards the Delta Sigma Pi Scholarship Key to the male graduate having the highest scholastic average in subjects taken in the School of Business Administration during his university career.

**Phi Gamma Nu Scholarship Award.** One of the events in the annual commencement ceremonies is the presentation of the Phi Gamma Nu Scholarship award to the woman who is graduating with the highest scholastic rating in the School of Business Administration.

**Advanced Standing.** Students who have attended other approved institutions will be admitted to advanced standing, and credit will be allowed for all courses completed there with a grade of C or better provided they are equivalent to courses offered at Memphis State University. With the approval of the director of the school, adjustments in requirements may be made where feasible.

A transfer student must be in residence at Memphis State University during his last semester before graduation and not less than one additional semester during his junior and senior years. He must take a minimum of 15 semester hours of upper division courses in the School of Business Administration, of which 9 must be in the major field. He must also take at this institution a minimum of 6 hours in his minor if the minor is in the School of Business Administration. The 6 minor hours may be a part of the required 15.

Written approval of the school director must be obtained before enrolling in correspondence or extension work at another institution while regularly enrolled at Memphis State University, or no credit will be allowed. The maximum number of correspondence and extension credits which will be accepted toward the degree is 33.

**Lower Division.** The first two years of undergraduate study are referred to as the lower division. Courses for the lower division are numbered from 100 through 299. In the lower division the student will satisfy the general requirements set up by the university for all students (page 112), will take some elementary business courses, and will receive a broad general background in liberal arts.

**Upper Division.** The junior and senior years are the upper division. Upper division courses are numbered from 300 through 499. In the upper division the student will take basic upper division business courses required for all graduates, will satisfy his major department requirements, and will complete the requirements for his minor.

### BUSINESS TEACHER PREPARATION

Teachers of business subjects in Tennessee high schools must have certificates which are issued by the State Board of Education. The requirements set up by the Board for persons who entered college in September 1953 or later are given below:

**1. General Education Core.** The general education requirements, referred to as the "core," consist of a minimum of 45 semester hours of primarily liberal arts courses (outlined by the School of Education on page 135). All of the core courses except three (9 hours) are included in the degree requirements of every department in the School of Business Administration. To satisfy the core requirements, a student must take the three courses listed below in addition to the stated prescriptions in his curriculum:

Health 101 (Personal and Community Health).....	3
Mgmt. 313 (Consumer Economics).....	3
One additional semester of science.....	3

**2. Professional Education.** Credit must be earned in 24 hours of professional education (in the School of Education).

**3. The Major.** A regular major must be earned in one of the departments of the School of Business Administration.

**4. General Business Endorsement.** The subjects in which a person is certified to teach are endorsed; that is, listed on his certificate. Every business teacher must have an endorsement to teach General Business. The 18 hours required for this endorsement are:

Introduction to Business (Mgmt. 101).....	3
Typewriting (any 3-hour course).....	3
Bookkeeping (any 3-hour accounting course).....	3
Business Arithmetic (satisfied by Math. 121).....	3
Economics (satisfied by Econ. 211).....	3
Business Law (Mgmt. 301).....	3

**5. Additional Endorsements.** In addition to the General Business endorsement, the State Board provides for endorsement in 12 single subjects. The minimum requirements for each are given below. The same course may be applied toward the satisfaction of two or more endorsements. A student should prepare to teach as many subjects as possible.

	Hours
Bookkeeping (Acctg. 201-202, 272, and 311 or 331).....	10
Business Arithmetic (satisfied by Math. 121 and 301).....	6
Business English (Sec. Sci. 351 or 352).....	3
Business Law (Mgmt. 301-302).....	6
Business Machines (Mgmt. 271).....	3
Consumer Education (Mgmt. 313).....	3
Economics (satisfied by Econ. 211-212 and two upper division Management or Economics courses).....	12
Office Practice (Sec. Sci. 371).....	3
Salesmanship (Mktg. 301 and 361).....	6
Secretarial Practice (Sec. Sci. 431).....	3
Shorthand (Sec. Sci. 211-212 or 212 and a higher course).....	8
Typewriting (Sec. Sci. 121-122 or 122 and a higher course).....	6

## THE DEGREE PROGRAM

### General Information

**Admission Requirements.** To be admitted to the School of Business Administration without condition, a prospective student must present evidence of graduation from an approved high school or of having passed entrance examinations.

**Credit Hours and Grade Points.** For the degree, a student must earn 132 semester hours of credit of which 48 or more must be in courses numbered above 299. The overall average must be C (2.0) or better (grade points per hour are: A, 4; B, 3; C, 2; D, 1). Every student must attain a C or better average in all work taken at Memphis State University.

A grade of C or better must be earned in every Upper Division course applied toward satisfaction of the specific major.

### Lower Division Program

The work for the first two years is outlined below. These courses are prerequisite to Upper Division courses, and are to be taken consecutively until completed. One-semester courses may be taken either semester.

#### Freshman Year Course Requirements

All freshmen will complete the program outlined below.

	Hours
Introduction to Business (Mgmt. 101).....	3
Speech (satisfied by Speech 101 or 111).....	3
Psychology (satisfied by Psych. 112).....	3
Mathematics (satisfied by Math. 121).....	3
English Composition (Eng. 111-112).....	6
Science (a biological or a physical science).....	6
Air Science 111-112 (all men, 2 hours each semester).....	4
Physical Education 100 (1 hour each semester).....	2
Electives .....	5-9

Electives may be selected from any department in the university, except that the courses listed below are recommended or required under the conditions indicated:

- a. AF-ROTC. Air Science is required of all men unless excused. 2 credits each semester.
- b. Health 101 is required for teaching certification. 3 credits either semester.
- c. Typewriting. Ability to type is a graduation requirement. Every student must, during his first semester in the School of Business Administration, enroll in a typing class or take a test demonstrating his ability to type. If he fails the test, he must take a typing course.
- d. Secretarial majors should start their typewriting courses in the freshman year.
- e. Students who plan to major in accounting will take Acct. 201 in the second semester of the freshman year.

#### Sophomore Course Requirements

	Hours
Fundamentals of Accounting.....	6
Economics (satisfied by Econ. 211-212).....	6
English Literature (English 211-212).....	6
History of United States (Hist. 221-222).....	6

Physical Education 200 (1 hour each semester for all men excused from ROTC, and for all women).....	2
Air Science 211-212 (All men unless excused).....	4
Electives .....	5-9

- a. Acctg. 272 (Accounting Lab.) is to be taken with Acctg. 202 (Fundamentals II) by accountancy majors and by prospective high school teachers of business subjects.
- b. Acctg. 311 (Intermediate) will be taken by accountancy majors the second semester of the sophomore year, or not later than the first semester of the junior year.
- c. Mgmt. 341 (Business Organization) will be taken immediately after completing Acctg. 202. It is prerequisite to other management courses.
- d. Mktg. 301 (Principles) will be taken the second semester of the sophomore year by marketing majors and by all others who can fit it into their programs at that time.
- e. Secretarial science majors will begin their shorthand work in the sophomore year. Sec. Sci. 211 (Fundamentals I) may be waived by those with previous shorthand training with permission of the instructor.

### **Upper Division Program**

In the junior and senior years, every student who is enrolled for a degree in the School of Business Administration will complete the work outlined in the three groups following:

#### **Group 1. Basic Upper Division Courses**

Every student enrolled for a degree, except as noted below, will take and receive credit for the six courses (18 hours) listed here:

Business Law (Mgmt. 301-302).....	6
Business Organization and Finance (Mgmt. 341).....	3
Money and Banking I (Mgmt. 361).....	3
Business Statistics I (Mgmt. 371).....	3
Principles of Marketing (Mktg. 301).....	3

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Note a. Three-year pre-law majors will omit Mgmt. 301-302 and Marketing 301.

Note b. Secretarial and Office Management majors will take Mgmt. 301-302, and two additional courses selected from the list (12 hours).

Note c. Prospective teachers will take Mgmt. 313 in addition to those listed above.

#### **Group 2. The Major**

With the assistance of his counselor, each student, not later than the beginning of the junior year, will select from the list below the area in which he desires to specialize. This selection will be known as the major. After making his selection, each student will report to the director of the school and be assigned to a major professor who is a member of the department in which the major is located.

The names of the departments of the School of Business Administration are given below with the names of the majors in each department listed below the department titles.

Department of Accountancy

Industrial Accounting major  
Pre-law (3-year pre-professional) major  
Public Accounting major

Department of Management and Finance

Finance major  
Management major  
Pre-law (3-year pre-professional) major

Department of Marketing

Marketing major  
Retailing major  
Sales major

Department of Secretarial Science and Office Management

Secretarial Administration major

The courses required for the satisfaction of the specific majors are listed in the departmental descriptions on the pages following.

### Group 3. The Minor

To broaden his background, one of the requirements of every student is the completion of sufficient work in an area other than the major to evidence some specialization in that area. It will be known as the minor. Two options are available.

1. If the major is in one business area, the minor may be in a different business area. It must include a minimum of 9 credits in Upper Division courses in the minor area in addition to the 12 Lower Division credits in accounting and economics and the 18 hours of basic business courses. The minor program should be approved by the head of the minor department early in the junior year.
2. A student with a major in a business department may select a minor in one of the other schools. It must be in one department or one unit of a department which includes several categories. The minor is a minimum of 18 semester credits with not less than 6 credits in courses numbered above 299.

A student enrolled in one of the other schools may complete his minor in any area of the School of Business Administration in which a minor is available. The minors are described following each major area description. There is no general minor in business administration.

# DEPARTMENT OF ACCOUNTANCY

Mr. Crawford, Chairman

Mr. Bailey, Mr. Cawthorn,

Mr. Nagy, Mr. Spiceland, Mr. Thompson

The objective of the Department of Accountancy is to provide the student with a substantial background in the field of accountancy which will enable him to advance rapidly in industry or public practice.

A person who selects accountancy as his major interest will satisfy the requirements for the degree by completing: (a) the Lower Division program including Acctg. 201-202 (Fundamentals) and 272 (Accounting Lab.), (b) the 18 hours of basic Upper Division business courses, (c) the requirements for the minor, (d) the 18 hours of basic accounting courses listed below, and (e) the additional accounting courses prescribed in one of the major curriculums.

Acctg. 311-312 (Intermediate) is prerequisite to all other Upper Division accounting courses except Cost Accounting. Acctg. 311 should be taken the second semester of the sophomore year.

**Basic Accounting Courses.** Every accountancy major will complete the 18 hours of accounting courses which follow:

311-312. Intermediate Accounting .....	6
331-332. Cost Accounting .....	6
421. Advanced Accounting .....	3
451. Federal Income Tax I.....	3

**Industrial Accountancy Curriculum.** A person who desires to prepare for employment in the accounting division of an industrial organization will satisfy the major requirements by completing the following courses in addition to the basic courses in accounting listed above:

324. Internal Auditing .....	3
446. Controllership .....	3
Two additional Upper Division accounting courses exclusive of the 18 hours of basic accounting courses.....	6

**Public Accountancy Curriculum.** A person who desires to prepare for the field of public accounting will satisfy the major requirements by completing the following courses in addition to the basic accounting courses listed above.\*

424. Auditing I .....	3
445. Systems .....	3
452. Federal Income Tax II.....	3
454. Governmental Accounting .....	3
491. Current Accounting Problems, or	
425. Auditing II .....	3

\*Internship in Accounting (481) may be elected on recommendation of the accountancy staff.

**Minor.** The minor in accountancy consists of: Acctg. 201-202 (Fundamentals), 272 (Lab.), 311 (Intermediate I), 331 (Cost I), and two additional Upper Division accountancy courses.

### RECOMMENDED 4-YEAR SCHEDULE FOR ACCOUNTANCY MAJORS

#### Industrial Accounting Curriculum

##### Freshman Year

Eng. 111-112 (Composition).....	6
Speech 101 (Fundamentals).....	3
Math. 121 (Basic Math.).....	3
Science—2 semesters .....	6
Mgmt. 101 (Intro. to Bus.).....	3
†S. S. 121 or 222 (Typing).....	3
Acctg. 201 (Fundamentals I).....	3
*P. E. 100 (both semesters).....	2
*A. S. 111-112 (ROTC).....	4
Elective .....	3

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##### Sophomore Year

Hist. 221-222 (U. S.).....	6
Eng. 211-212 (Literature).....	6
Econ. 211-212 (Principles).....	6
Psych. 112 (General Psych.).....	3
Acctg. 202 (Fundamentals II).....	3
Acctg. 272 (Lab).....	1
*P. E. 200 (both semesters).....	2
*A. S. 211-212 (ROTC).....	4
Acctg. 311 (Intermediate I).....	3
Elective .....	2

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##### Junior Year

Acctg. 312 (Intermediate II).....	3
Acctg. 331-332 (Cost) .....	6
Mgmt. 301-302 (Business Law) ..	6
Mgmt. 341 (Bus. Org.).....	3
Mgmt. 371 (Statistics).....	3
Mktg. 301 (Principles).....	3
Minor or electives.....	6

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##### Senior Year

Acctg. 324 (Int. Auditing).....	3
Acctg. 421 (Advanced).....	3
Acctg. 446 (Controllershship).....	3
Acctg. 451 (Fed. Tax I).....	3
Accounting electives .....	6
Mgmt. 361 (Money and Banking) .....	3
Minor or electives.....	9

30

#### Public Accounting Curriculum Freshman Year

Eng. 111-112 (Composition).....	6
Speech 101 (Fundamentals).....	3
Math. 121 (Basic Math.).....	3
Science—2 semesters .....	6
Mgmt. 101 (Intro. to Bus.).....	3
†S. S. 121 or 222 (Typing).....	3
Acctg. 201 (Fundamentals I).....	3
*P. E. 100 (both semesters).....	2
*A. S. 111-112 (ROTC).....	4
Elective .....	3

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##### Sophomore Year

Eng. 211-212 (Literature).....	6
Hist. 221-222 (U. S.).....	6
Econ. 211-212 (Principles).....	6
Psych. 112 (General Psych.).....	3
Acctg. 202 (Fundamentals II).....	3
Acctg. 272 (Lab).....	1
*P. E. 200 (both semesters).....	2
*A. S. 211-212 (ROTC).....	4
Acctg. 311 (Intermediate I).....	3
Elective .....	2

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##### Junior Year

Acctg. 312 (Intermediate II).....	3
Acctg. 331-332 (Cost).....	6
Mgmt. 301-302 (Business Law) ..	6
Mgmt. 341 (Bus. Org.).....	3
Mgmt. 371 (Statistics).....	3
Mktg. 301 (Principles).....	3
Minor or electives.....	6

30

##### Senior Year

Acctg. 421 (Advanced) .....	3
Acctg. 424 (Auditing I).....	3
Acctg. 445 (Systems).....	3
Acctg. 451-452 (Fed. Tax).....	6
Acctg. 454 (Governmental).....	3
Acctg. 491 (CPA) or 425 (Aud.) .....	3
Mgmt. 361 (Money and Banking) .....	3
Minor or electives.....	6

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†The typing requirement may be satisfied by passing a test.

\*Men will take P. E. and ROTC the freshman year and ROTC only in the sophomore year. Men who are excused from ROTC, and all women will take P. E. every semester of the first two years.

**Pre-Law Major in Accountancy.** The 3-year pre-professional pre-law curriculum with accountancy as the major area may be satisfied by completing the three groups of course work below:

1. Lower Division. In the Lower Division, the student will follow the regular curriculum given above for all accounting majors, including the 7 credits in introductory accounting courses.

2. Upper Division. In the Upper Division, the pre-law major will take the 27 hours in basic business and accounting credits listed below, and complete the minor requirements. Over-all he must have a minimum of 99 semester credits.

Business Organization and Finance (Mgmt. 341) .....	3
Money and Banking I (Mgmt. 361) .....	3
Business Statistics I (Mgmt. 371) .....	3
Intermediate Accounting I and II (Acctg. 311-312) .....	6
Introduction to Cost Accounting (Acctg. 331) .....	3
Elective Accounting courses .....	9
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3. The Minor. If the minor is in one of the other schools, it requires a minimum of 18 semester hours, not less than 6 of which must be in courses numbered above 299.

The minor may be earned in the Management and Finance Department by taking three upper division courses in that department, exclusive of the courses listed above under Upper Division; plus the 6 hours of basic economics taken in the Lower Division.

### DESCRIPTION OF COURSES

201—Fundamentals of Accounting I. (3).

Basic principles, journalizing and posting, the accounting cycle, accruals and deferments, valuation accounts, special journals including the voucher register. Both semesters.

202—Fundamentals of Accounting II. (3).

Payrolls, taxation, partnership operation and dissolution, corporations, further applications of accounting theory. Prerequisite: Acctg. 201. Both semesters.

272—Accounting Lab. (1).

The working of a practice set involving current accounting practice. Prerequisite: Acctg. 201. Both semesters.

311—Intermediate Accounting I. (3).

Accounting records, end-of-period procedure, corrections of prior periods, accounting statements, comparative statements, working capital, miscellaneous ratios, profit and loss analysis, corporations. Prerequisite: Acctg. 202. Both semesters.

312—Intermediate Accounting II. (3).

Cash and receivables, inventories, tangible operating assets, intangibles, investments, liabilities, reserves and valuation accounts, net income determination, statement of source and application of funds. Prerequisite: Acctg. 311 or permission of instructor. Both semesters.

324—Internal Auditing. (3).

Review and appraisal of internal accounting procedures of businesses, verification and analysis of financial and operating reports, function and organization of the internal auditing department. Prerequisite: Acctg. 332. Spring semester.

331—Cost Accounting I. (3).

Material inventory records, inventory evaluation, accounting for labor, distribution of manufacturing costs, introduction to process cost. Both semesters.

**332—Cost Accounting II. (3).**

Process costs, estimated costs, standard costs, budgets. Prerequisite: Acctg. 331. Both semesters.

**421—Advanced Accounting. (3).**

Consignments, installment sales, insurance, partnership organization and dissolution, home and branch accounting, introduction to consolidations. Fall semester.

**424—Auditing I. (3).**

Ethics in accounting practices, auditing standards and procedures, programs of audit of various accounts, construction and indexing of various papers, reports to clients. Fall semester.

**425—Auditing II. (3).**

Application of auditing principal to verification of financial statements, preparation of reports, case studies applicable to specific industries, current trends. A practice audit is carried out. Prerequisite: Acctg. 424. Spring semester.

**445—Accounting Systems. (3).**

Problems involved in designing accounting installations for various types of business, including the designing of clerical departments and planning of required mechanical devices. Prerequisite: Acctg. 421. Spring semester.

**446—Controllership. (3).**

Training in the field of administrative accounting, duties and functions of the controller, organization of the controller's office. Prerequisite: Acctg. 332. Fall semester.

**451—Federal Income Tax I. (3).**

Regulations pertaining to individuals and partnerships. Prerequisite: Acctg. 311 and 312, or permission of instructor. Fall semester.

**452—Federal Income Tax II. (3).**

Laws and regulations for corporations, estates, and fiduciaries. Prerequisite: Acctg. 451. Spring semester.

**454—Governmental Accounting. (3).**

Accounting theory and practice applicable to Federal, state, and local government; and to nonprofit institutions; budgetary control; control, classification, and use of funds; financial statements and reports. Fall semester.

**481—Internship in Accounting. (3).**

Seniors majoring in public accounting, after receiving approval of the accounting faculty, are placed in offices of cooperating public accounting firms to receive on-the-job training under the direct supervision of a certified public accountant and the general supervision of the college accounting staff. Credit allowed upon acceptance of report of work done, verified by supervising accountant, and completion of a qualifying examination. Minimum time: 500 hours. Spring semester.

**491—Current Accounting Problems. (3).**

Review for C. P. A. Examination, including theory of accounts, accounting practice, and auditing. Open to persons with substantial accounting backgrounds, and on permission of instructor. Spring semester.

### **GRADUATE COURSES**

Note. Courses preceded by "G" are described above.

**G446—Controllership. (3).****G451—Federal Income Tax I. (3).****G452—Federal Income Tax II. (3).****G454—Governmental Accounting. (3).****G491—Current Accounting Problems. (3).**

**DEPARTMENT OF MANAGEMENT AND FINANCE****Mr. Markle, Chairman****Mrs. Berfield, Mr. Curry, Mr. Larrabee,****Mr. Milner, Mr. Minton, Mr. Taylor**

A person who selects Management and Finance as his major field will satisfy the degree requirements by completing the Lower Division program, the 18 hours of Upper Division Basic Business Courses, the requirements for a minor, and a minimum of 21 hours of Upper Division course work in either Finance or Management as indicated below:

**Management.** Every student who selects management as his major interest will complete the 9 hours of basic management courses listed below, and a minimum of 12 additional hours of Upper Division courses in his specific major.

The basic management courses are:

312. Economics of Business Enterprise .....3

321. Labor Management .....3

441. Corporation Finance, or

442. Management of Business Enterprise.....3

The major areas of Management are listed below. Each student will confer with his major professor as to the courses required for satisfaction of the major.

Business Research

General Business

Industrial Management

Insurance

Personnel Administration

Real Estate

Transportation

Note. Minors are available in any of the major fields.

**Finance.** Every student who selects finance as his major interest will complete the 9 hours of basic finance courses listed below, and a minimum of 12 additional hours of Upper Division courses in his specific major.

The basic finance courses are:

451. Public Finance .....3

461. Money and Banking II.....3

491. Government Regulation and Business Policy.....3

The major areas of finance are listed below. Each student will confer with his major professor as to the courses required for satisfaction of the major.

Banking and Investments

Business Finance

Economics

Public Administration

Note: Minors are available in any of the major fields.

**The Minor.** A student in one of the other schools may earn a minor in management or finance by taking the following 18 semester hours of course work: Acctg. 201-202 (Principles), Mgmt. 341 (Business

Organization), and Mgmt. 361 (Money and Banking); and two additional upper division courses in the selected field—two management courses or two finance courses.

If the major is in one of the business areas other than management and finance, the student may earn a minor in management by taking three approved upper division courses in management, or in finance by taking three approved upper division courses in finance, each exclusive of the basic upper division business courses.

If the major is management, the minor may be in finance. It will consist of not less than 9 hours of finance courses, approved by the major professor.

**Pre-Law Major in Management and Finance.** The major in the 3-year pre-professional pre-law course with management and finance as the major area may be satisfied by completing the three groups of course work given below.

1. Lower Division. In the Lower Division, the student will follow the regular curriculum given above for all management and finance majors, including the 6 credits in introductory accounting courses and the 6 credits in basic economics.

2. Upper Division. In the Upper Division, the pre-law major will take the 27 hours in basic business and management and finance courses listed below, and will complete the minor requirements. Overall he must have a minimum of 99 semester credits.

Business Organization and Finance (Mgmt. 341).....	3
Introduction to Money and Banking (Mgmt. 361).....	3
Business Statistics I (Mgmt. 371), or	
Intermediate Accounting I (Acctg. 311).....	3
Six additional courses selected from the following:	
Mgmt. 312, 313, 321, 413, 441, 451, 461, 462, 491, 492 and 493.....	18

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3. The Minor. If the minor is in one of the other schools, it requires a minimum of 18 semester hours, not less than 6 of which must be in courses numbered above 299.

The minor may be earned in the Accountancy Department by taking the regular lower division courses and four upper division accounting courses in addition to the courses listed above under Upper Division. (If Business Statistics I is taken, Intermediate Accounting I may be included as one of the four accounting courses.)

### DESCRIPTION OF COURSES

101—Introduction to Business. (3).

A survey course to acquaint beginning business students with the major institutions and practices in the business world, to provide the elementary concepts of business, and to act as an orientation course for selection of a specific major. Open to freshmen only or by special permission. Both semesters.

211 (Econ. 211)—Principles of Economics I. (3).

Economic concepts and terminology, fundamental principles underlying production, exchange, distribution, and consumption. (Given in Social Sciences Department).

212 (Econ. 212)—Principles of Economics II. (3).

The application of economic principles to major contemporary problems. (Given in Social Sciences Department).

**271—Clerical Office Machines. (3).**

Instruction and practice in the operation of the major types of adding and calculating machines; development of a working knowledge of the 10-key and full keyboard adding machine, key-driven and rotary calculators, and other mechanical office devices. Both semesters.

**301—Business Law I. (3).**

Nature and classification of law, contracts, negotiable instruments. Study of selected cases. Prerequisite: junior classification or permission. Both semesters.

**302—Business Law II. (3).**

Business organization, personal property, trade regulations. Emphasis is placed on case studies. Prerequisite: Mgmt. 301. Both semesters.

**304—Transportation. (3).**

Development of American transportation system—waterways, highways, railways, and air; characteristics of modern transportation services; rates and rate making; public aid and regulation; problems of traffic management. Prerequisite: Basic Economics.

**311—Economic Development of the United States. (3).**

Analysis of economic growth of the American economy. Emphasis is placed on the factors instrumental in that growth in the various segments of the economy. Prerequisite: Basic Economics.

**312—Economics of Business Enterprise. (3).**

Analysis of the functioning of business enterprise by applying economic theory to the actual problems of business. Analysis techniques are applied to profit, competition, product policy, demand and cost conditions, pricing policies, and capital budgeting. Prerequisite: Basic Economics. Fall semester.

**313—Economics of Consumption. (3).**

Analysis of the role of the consumer in the functioning of the economic system and his viewpoint in relation to economic problems affecting his interests. Prerequisite: Basic Economics. Spring semester.

**321—Labor Management. (3).**

An introductory course dealing with the principles and history of labor policies, from the viewpoint of business management. Prerequisite: Basic Economics. Both semesters.

**322—Labor Legislation. (3).**

Historic and philosophic background for labor legislation. Emphasis on recent legislation in the labor area and the effects of these laws on social and economic institutions. Prerequisite: Mgmt. 321. Spring semester.

**331—Real Estate. (3).**

Real estate law, property description, methods of transferring property, joint ownership, tax sales and title to property, inheritance of real property. Prerequisite: junior classification or permission of instructor. Spring semester.

**335—General Insurance. (3).**

Theory, practice, and problems involved with life, fire, marine, casualty, and surety insurance; rates and rating; actuarial activities. Prerequisite: junior classification or permission of instructor. Fall semester.

**341—Business Organization and Finance. (3).**

Promotion, organization, and financing of business enterprise; principles underlying selection of business form; structure and trends of American enterprise system; financial management. Emphasis is placed on small and medium-sized enterprises. Prerequisite: Acctg. 202. Both semesters.

**345—Industrial Management. (3).**

Development of scientific management, principles and mechanism of organization and management in manufacturing covering: plant location and layout, mass production techniques, standardization conditions, and production controls. Prerequisite: Mgmt. 321. Spring semester.

**361—Money and Banking I. (3).**

Monetary and banking history of leading countries with special emphasis on the theory of money and banking in United States, deposit and earning operations of individual banks, interbank and central bank relations. Prerequisite: 6 hours of basic economics. Both semesters.

**371—Business Statistics I. (3).**

Procedures of collection, analysis, presentation, and interpretation of economic and business data. Prerequisite: Math. 121 or equivalent and Basic Economics. Both semesters.

**401—Estate Planning. (3).**

Estate planning from an individual viewpoint designed to create, maintain, and distribute maximum estate possible. Consideration is given to aspects of law, insurance, real estate, investments, and taxes as they relate to the creation of estates by individuals and those who will be engaged in assisting others. Prerequisite: Mgmt. 302. Fall semester.

**413—Advanced Economic Theory. (3).**

An introduction to the following concepts of price level, output, and employment: national income, neo-classical, quantity of money theory, and neo-Keynesian. Prerequisite: Basic Economics.

**414—Business Forecasting. (3).**

Study of the factors involved in the movements of business activity, irregular, seasonal, regular, and trend; and the application of the same for forecasting purposes in business. Prerequisite: Mgmt. 371 and 413 or 461. Spring semester.

**421—Personnel Administration. (3).**

Employer-employee relationships; job analysis; recruitment, selection, training, transfer, promotion, and dismissal of employees; industrial unrest; wage plans and policies; employee health, interest, and morale; dealing with unions. Prerequisite: Mgmt. 321 or permission of instructor. Fall semester.

**422—Collective Bargaining. (3).**

Labor-management relations from the standpoint of collective bargaining contracts. Emphasis is given to the process of negotiating agreements, including procedures, tactics, and subject matter. Prerequisite: Mgmt. 321. Spring semester.

**441—Corporation Finance. (3).**

Advanced treatment of financial management with emphasis on small and medium-sized enterprise and the forces underlying determination of policy. Financial problems are considered in connection with refunding, reorganization, mergers, and consolidations. Prerequisite: Mgmt. 341. Spring semester.

**442—Management of Business Enterprise. (3).**

Consideration is given to over-all policy formation and practice in the operation of new and going business concerns. Emphasis is placed on problems of nonfinancial management in the small firm. Prerequisite: Mgmt. 341. Fall semester.

**443—Business Contacts. (3).**

A study of the contacts of business with its owners, creditors, employees, customers, community and various governments. Prerequisites: Mgmt. 321 and 441 or 442.

**451—Public Finance. (3).**

Theory and practice of government expenditure and revenue; theory, practice, shifting, and incidence of the various forms of taxation; elementary consideration of the integration of revenue and expenditure into fiscal policy. Prerequisite: Basic Economics. Fall semester.

**452—State and Local Finance. (3).**

Specialized treatment of state and local financial administration of revenue and expenditure, with emphasis on Tennessee. Consideration is given to trends in policy formation and integration with Federal fiscal policy. Prerequisite: Basic Economics.

**461—Money and Banking II. (3).**

A more detailed consideration of banking and its problems since 1930. Emphasis is given to monetary and banking policy and its relationship to business and fiscal policy. Prerequisite: Mgmt. 361. Fall semester.

**462—Investments. (3).**

The principles of investment in stocks and bonds and their application to specific classes of investments. Prerequisite: Mgmt. 341. Spring semester.

**471—Business Statistics II. (3).**

Extension of the range of topics covered in Business Statistics I to include methods of correlation, analysis of variance, forecasting, and general business research. Prerequisite: Mgmt. 371. Spring semester.

**491—Government Regulation and Business Policy. (3).**

A critical study of the impact of legislation and commission regulation on business policies. The effect of tax laws, Securities and Exchange Commission regulation and anti-monopoly legislation, and organizational, financial, and operational aspects of non-utility business enterprises. Prerequisite: Mgmt. 341. Fall semester.

**492—Government Fiscal Policy. (3).**

A critical examination of the most desirable goals for fiscal policy and the programs that may be followed to attain the various goals. Emphasis on tools available and techniques involved. Prerequisite: Mgmt. 413 and 461. Spring semester.

**493—International Trade. (3).**

Historical approach to the theory of international trade. Consideration is given to the techniques of control over investment and trade, foreign exchange, balance of payments, and world interdependence. Prerequisite: Mgmt. 361. Spring semester.

**494—Current Economic Problems. (3).**

A study of current domestic and international economic problems with special emphasis on international trade, foreign investments, economic reconstruction, and world economic organization and co-operation. Prerequisite: Mgmt. 361.

**495—Management and Financial Problems. (1-3).**

Student will carry on approved research projects in his major area under supervision of staff member. Prerequisite: Permission of head of the department. Both semesters.

### **GRADUATE COURSES**

Courses preceded by "G" are described above.

**G401—Estate Planning. (3).****G413—Advanced Economic Theory. (3).****G414—Business Forecasting. (3).****G421—Personnel Administration. (3).****G422—Collective Bargaining. (3).****G441—Corporation Finance. (3).****G442—Management of Business Enterprise. (3).****G443—Business Contacts. (3).****G451—Public Finance. (3).****G461—Money and Banking II. (3).****G462—Investments. (3).****G471—Business Statistics II. (3).****G491—Government Regulation and Business Policy. (3).****G492—Government Fiscal Policy. (3).****G493—International Trade. (3).****G494—Current Economic Problems. (3).****G495—Management and Financial Problems. (1-3).**

## DEPARTMENT OF MARKETING

**Mr. Spindler, Chairman**

**Mrs. Chapman, Mr. Doyle, Mr. Halcomb,**

**Mr. Tønning**

The objective of the Department of Marketing is to provide the student with a broad concept of the marketing process—to develop a foundation of understanding of all of the factors involved in the collection and distribution of goods and services. Three majors are offered—General Marketing, Retailing, and Sales.

For the degree, a student will complete the Lower Division program, the 18 hours of Basic Upper Division Business courses, the requirements for a minor, and a minimum of 24 hours of marketing and related courses, constituting the major.

Mktg. 301 (Principles) is prerequisite to all other marketing courses.

**Basic Marketing Courses.** As a foundation for all of the majors, every student enrolled in the department will take the following:

302. Market Administration .....	3
351. Principles of Advertising .....	3
361. Salesmanship .....	3
381. Principles of Retailing.....	3

**Major in General Marketing.** A student whose primary interest lies in the field of general distribution, market research, and the like will, with the approval of his advisor, take a minimum of 12 hours of course work selected from the following:

321. Marketing Farm Products.....	3
375. Wholesaling .....	3
421. Industrial Marketing .....	3
425. Product Planning .....	3
435. Cotton Marketing .....	3
436. Cotton Problems .....	3
461. Sales Management .....	3
491. Market Research Analysis .....	3
Mgmt. 493. International Trade .....	3
I. A. 341 or 342. Materials of Industry.....	3

**Major in Retailing.** A student whose primary interest is the acquisition of a background which will serve effectively in the operation and management of a retail establishment will, with the approval of his advisor, take a minimum of 12 hours of course work selected from the following:

352. Advanced Principles of Advertising.....	3
356. Retail Advertising .....	3
382. Retail Merchandising .....	3
385. Retail Display Techniques.....	3
481. Contemporary Policies and Problems in Retailing.....	3
485. Retail Credits and Collections.....	3
489. Work Experience in Retailing.....	3-6*
491. Market Research Analysis.....	3
Home Ec. 312. Textiles; or Home Ec. 481.	
Home Furnishings and Equipment.....	3

**Major in Sales.** A student whose primary interest is in the field of sales and sales management will, with the approval of his advisor, take 15 hours of course work selected from the following:

362. Advanced Salesmanship .....	3
366. Sales Promotion .....	3
461. Sales Management .....	3
462. Sales Control .....	3
469. Work Experience in Sales.....	3-6*
491. Market Research Analysis .....	3

\*A student taking a work experience course (469 or 489) should not be enrolled for more than 15 hours including work experience.

**The Minor.** A student enrolled in one of the other schools may earn a minor in marketing by taking the following: Acctg. 201-202 (Fundamentals), Mktg. 301 (Principles), and three approved Upper Division courses in marketing.

If the major is in one of the business areas other than marketing, the student may earn a minor in marketing by taking three approved Upper Division marketing courses in addition to the Upper Division basic business courses.

### DESCRIPTION OF COURSES

#### 301—Principles of Marketing. (3).

General survey of the marketing structure; development, functions, costs, institutions, and pricing policies. Both semesters.

#### 302—Market Administration. (3).

A case study of actual business marketing problems and the techniques used to solve them. Prerequisite: Mktg. 301. Both semesters.

#### 321—Marketing Farm Products. (3).

Functional, commodity, and institutional problems concerned with marketing farm products including the roles of farmers, cooperatives, government, and food processing industries; and the roles of wholesalers and retailers of food products in getting these products to the ultimate consumer. Spring semester.

#### 351—Principles of Advertising. (3).

General survey of the field of advertising, including agencies, media, layout, typography, and copy. Both semesters.

#### 352—Advanced Principles of Advertising. (3).

A case study of the various phases of advertising with practical application of advertising methods and procedures. Both semesters.

#### 356—Retail Advertising. (3).

A study of advertising procedures and techniques which are especially valuable to the retailer. Primary emphasis is placed on newspaper and direct mail advertising. Fall semester.

#### 361—Salesmanship. (3).

Basic principles underlying the sales process with actual sales demonstrations and projects in selling. Both semesters.

362—Advanced Salesmanship. (3).

Survey of the literature on salesmanship; creative thinking sessions; portfolio preparation; and demonstrations of "role playing" in the selling function. Prerequisite: Mktg. 361. Spring semester.

366—Sales Promotion. (3).

A study of promotional methods used at the various marketing levels. Included are: planning, media used, publicity, displays, contests, and other sales promotion aids. Fall semester.

375—Wholesaling. (3).

General survey of the wholesaling structure, organization, management, and operation. Prerequisite: Mktg. 302. Fall semester.

381—Principles of Retailing. (3).

Fundamental principles underlying the successful operation of a retail business. Both semesters.

382—Retail Merchandising. (3).

A case study of effective merchandising necessary to meet the needs of retail customers. Prerequisite: Mktg. 381. Both semesters.

385—Retail Display and Promotion. (3).

Techniques of installing window and interior displays, fixtures and materials used in display preparation, place of display and promotion in the sales program. Prerequisite: Mktg. 382. Spring semester.

421—Industrial Marketing. (3).

A study of problems and policies of industrial purchasing, programs and policies in marketing with emphasis on channels of distribution. Prerequisite: Mktg. 302. Fall semester.

425—Product Planning. (3).

Study of a product from the idea stage to placement of the product satisfactorily in the market place. Prerequisite: Mktg. 302. Spring semester.

435—Cotton Marketing. (3).

Cotton as a special commodity is traced through the stages of production, processing, and marketing in the raw state; spinning and weaving or knitting; finishing; fabrication; and distribution at the wholesale and retail levels. Prerequisite: Mktg. 302 or permission of instructor. Fall semester.

436—Cotton Problems. (3).

Study of the current problems concerned with production and distribution of cotton and cotton products. Prerequisite: Mktg. 435 or permission of instructor. Spring semester.

461—Sales Management. (3).

Problems confronting the sales executive, including control and management of the sales force. Prerequisite: Mktg. 361. Fall semester.

462—Sales Control. (3).

A study of distribution costs; analysis of methods of control by territories, products, salesmen, channels of distribution, and size of orders. Spring semester.

469—Work Experience in Sales. (3-6).

Students who are majoring in Sales, after receiving approval of the marketing faculty, will obtain actual experience by working a prescribed number of hours in sales activities in approved organizations. Both semesters.

**481—Contemporary Policies and Problems in Retailing. (3).**

A study of the problems which retailers are currently facing and an analysis of the policy decisions they must make to meet these problems effectively. Prerequisites: Mktg. 381, 382. Spring semester.

**485—Retail Credit and Collections. (3).**

System of retail credit and collections employed today, significance of retail credit information, charge account management, and collection correspondence. Spring semester.

**489—Work Experience in Retailing. (3-6).**

Seniors majoring in retailing, after receiving approval of the marketing faculty, will obtain actual experience by working a minimum of 200 hours in approved distributive organizations. Both semesters.

**491—Market Research Analysis. (3).**

Research methods and procedures used in the field of marketing to help solve marketing problems. Prerequisite: Mgmt. 371, Mktg. 302. Spring semester.

### **GRADUATE COURSES**

Note: Courses preceded by "G" are described above.

**G461—Sales Management. (3).**

**DEPARTMENT OF SECRETARIAL SCIENCE AND  
OFFICE MANAGEMENT****Mr. Jennings, Chairman****Miss Johnson, Mr. Patterson, Mr. Roberts**

A student who elects to use secretarial science and office management as his major will follow the curriculum given below:

**Lower Division**

In the Lower Division, the student will follow the general lower division program given on pages 112-113.

As the elective in the freshman year, he will take two semesters of typewriting (S.S. 121-122). If he has had previous training in typewriting, he may, with approval of his counselor, omit S.S. 121 and take S.S. 122 and a higher typewriting course, or one semester of another elective.

As the sophomore elective, he will take two semesters of shorthand (S.S. 211-212). If he has had previous training in shorthand he may, with approval of his counselor, omit S.S. 211 and take S.S. 212 and a higher shorthand class or one semester of another elective.

**Upper Division**

During the junior and senior years the student will satisfy the requirements in each of the three groups below and will take additional courses as electives if necessary to bring the total number of credits for the four years to a minimum of 132 with a scholastic average of C (2.0) or better. He must have C or better in all upper division major courses.

**Group 1. Basic Upper Division Business Courses**

Each student will take Mgmt. 301-302, and two additional courses selected from the following group.

Mgmt. 301-302.	Business Law .....	6
Mgmt. 341.	Business Organization and Finance.....	3
Mgmt. 361.	Money and Banking.....	3
Mgmt. 371.	Business Statistics .....	3
Mktg. 301.	Principles of Marketing.....	3

**Group 2. The Major**

The requirements for the major will be satisfied by the completion of 24 to 25 hours of credit in upper division secretarial and office management courses as indicated below:

All majors in secretarial science and office management will take the 19 hours of course work listed here:

Sec. Sci. 311	Advanced Shorthand .....	4
Sec. Sci. 351.	Business Report Writing.....	3
Sec. Sci. 352.	Business Letter Writing.....	3
Sec. Sci. 371.	Secretarial Office Machines.....	3
Sec. Sci. 442.	Office Management .....	3
Sec. Sci. 431.	Applied Secretarial Practice.....	3

Two additional courses (5 to 7 credits) are to be taken, selected with the approval of the major professor, from the list below:

Sec. Sci. 312. Advanced Shorthand .....	4
Sec. Sci. 321 Advanced Typewriting .....	3
Sec. Sci. 421. Secretarial Typewriting .....	3
Sec. Sci. 432. Applied Secretarial Practice II.....	2
Sec. Sci. 433. Secretarial Dictation .....	3

### Group 3. The Minor

A student in one of the other schools may earn a minor in secretarial science and office management by completing the following course work. It will require from 17 to 24 credit hours, depending upon previous training in some fields: S.S. 121-122 (typewriting—6 credits), S.S. 211-212 (shorthand—8 credits), S.S. 311 (advanced shorthand—4 credits), and two additional upper division courses selected from: S.S. 351, 352, 371, 421, 431, 432, 433, and 442.

Note. A student with previous training in typewriting may omit S.S. 121 (3 credits), and one with previous training in shorthand may omit S.S. 211 (4 credits). This amounts to reducing the minor from 24 to 17 semester hours.

A student whose major is in one of the business areas other than secretarial science and office management may earn a minor in secretarial science and office management by taking a minimum of one course above the beginning courses in shorthand and in typewriting (satisfied by S.S. 311 and 321), and three additional approved upper division S.S. courses.

### DESCRIPTION OF COURSES

#### 121—Elementary Typewriting I. (3).

Use and operation of the parts of the typewriter, mastery of the keyboard, simple business and professional letters and reports, introduction to tabulations. Four meetings per week.

#### 122—Elementary Typewriting II. (3).

Typing manuscripts, legal documents, and the several styles of business letters; tabulations; operation of duplicating machines; development of a typing rate of better than 45 words per minute. Required by secretarial majors. Credit is allowed in only one of the courses: S.S. 122 and S.S. 222.

#### 211—Fundamentals of Shorthand I. (4).

Basic principles of Simplified Gregg Shorthand—alphabet, brief forms, phrases, and abbreviations; beginning dictation and pre-transcription training. Three lectures and two laboratory periods per week.

#### 212—Fundamentals of Shorthand II. (4).

Further study of shorthand theory, acquisition of ability to take rapid dictation and transcribe accurately. Enrollees must be able to type or be enrolled in a typewriting class while taking this course. Three lectures and two laboratory periods per week. Prerequisite: S.S. 211 or permission of instructor.

**222—Typing for General Business. (3).**

An advanced typewriting class for nonsecretarial majors. Emphasis is placed on acquiring ability to set up business letters, forms, and statements, including tabulation. Credit is allowed in only one of the courses: S.S. 122 and S.S. 222. Prerequisite: S.S. 121 or permission of instructor.

**311—Advanced Shorthand I. (4).**

Review of shorthand principles, daily speed practice, development of transcription skill for production of mailable transcripts. Three lectures and two laboratory periods per week. Prerequisite: S.S. 212.

**312—Advanced Shorthand II. (4).**

A continuation of S. S. 311, providing additional training and practice for the development of greater dictation and transcription speed. Emphasis is placed on mailable transcription at vocational levels. Three lectures and two lab periods per week. Prerequisite: S. S. 311.

**321—Advanced Typewriting. (3).**

Review of business letter styles, manuscripts and reports, statistical tables, and legal forms. Development of a typing rate of better than 60 words per minute. Prerequisite: S.S. 122 or equivalent.

**322—Personal Use Typewriting. (3).**

Personal and business letters, reports, themes, and manuscripts. Prerequisite: S.S. 121 or permission of instructor.

**351—Business Report Writing. (3).**

Techniques of report writing; principles of correct usage involving capitalization, spelling, word division, numbers, and punctuation; preparation of business reports, financial statements, auditor's reports, minutes of meetings, briefs, and research theses. Prerequisite: ability to type.

**352—Business Letter Writing. (3).**

Psychology of the business letter, preparation of various types of business letters, letter writing problems. Prerequisite: ability to type.

**371—Secretarial Office Machines. (3).**

Instruction and practice in the use of secretarial office machines such as: the electric typewriter; voice writing equipment—cylinder, disc, and wire recorders; and stencil and direct process duplicators. Prerequisite: S.S. 351 and permission of instructor.

**421—Secretarial Typewriting. (3).**

Production typing with emphasis on vocational standards for office positions including typing from copy and from voice writing equipment. Prerequisite: S.S. 371.

**431—Applied Secretarial Practice I. (3).**

Qualifications, duties and training of a secretary; requirements for employment; organization of work; telephone etiquette; business reference books; receptionist techniques.

**432—Applied Secretarial Practice II. (2).**

Handling of incoming and outgoing mail; filing procedure; installation, administration, and control of geographic, numeric, subject, and Soundex filing systems; practice in the several types of filing.

**433—Secretarial Dictation. (3).**

Students will do stenographic work in some offices on the campus. The instructor, after conferring with the office head, will plan remedial work designed to prepare student for stenographic employment upon completion of course. Three lectures or 9 hours of office work per week. Prerequisite: Permission of instructor.

**442—Office Management. (3).**

Modern methods in office organization and management; office systems and routines; office planning and layouts; furniture and equipment; selection, training, and compensation of office personnel; problems in handling the office staff; preparation and use of office manuals.

**GRADUATE COURSES****591—Improvement of Instruction in High School Business Subjects. (3).****596—Seminar in Business Education. (3).**

# THE SCHOOL OF EDUCATION

The School of Education in Memphis State University has the following objectives:

To be an articulated part of the general and cultural program of the university.

To recruit desirable candidates for the teaching profession.

To provide a program of teacher education which promotes the growth and development necessary for successful teaching.

To assist in placing teachers.

To provide professional service to public schools in the service area.

To develop and carry out a continuing program of educational research.

The School of Education offers several curricula leading to the degree of Bachelor of Science. Candidates for this degree take certain required courses and elect others within this school. In preparing for particular teaching fields or areas, candidates are also required to take courses in the School of Business Administration, and in the School of Arts and Sciences.

The work of the School of Education is conducted through the departments of Curriculum and Instruction, Educational Administration and Supervision, Health and Physical Education, Home Economics, Industrial Arts, Music Education, and the Training School.

Courses leading to the degree of Master of Arts are offered in the Graduate School by various departments of the School of Education. Graduate requirements and graduate course offerings are listed in the Graduate School BULLETIN.

## REQUIREMENTS FOR ADMISSION

The work of the School of Education leading to the Bachelor of Science degree is organized into two divisions: (1) The Lower Division, consisting of the work of the freshman and sophomore years, and (2) The Upper Division, consisting of the work of the junior and senior years.

The entrance requirements for the Lower Division may be met by either of the following methods:

1. Admission by certificate.

By presenting a certificate of graduation from an accredited high school showing the satisfactory completion of fifteen units.

2. Admission by examination.

Applicants for admission who have not been graduated from a secondary school may be admitted upon passing examinations or fifteen units required for graduation in an approved high school. An applicant for admission from an unapproved high school who presents a certificate of graduation may be admitted upon passing examinations in subjects covering four units of high school work taken in the senior year.

3. Admission on the adult special basis.

Applicants for admission, twenty-one years of age or over, who

do not possess all the requirements for admission and who are not candidates for a degree may be admitted upon giving satisfactory evidence that they are prepared to take advantageously the subjects open to them.

In order to be admitted to the Upper Division, the student must have completed the work of the Lower Division with an average grade of C (2.0). In addition, he must have submitted to his advisor for approval a complete program of study for work in the Upper Division.

### REQUIREMENTS FOR GRADUATION

Each candidate for a baccalaureate degree in the School of Education must meet the general university requirements with respect to registration, residence, fees, and health.

Each candidate must earn credit, with a satisfactory scholastic average (2.0) in approved courses totaling at least 132 semester hours, at least 39 hours of which must be taken in courses numbered above 299.

Each candidate must complete:

- (a) four semesters of Physical Education activity courses, except those students completing two years of AF-ROTC, in which case, only two semesters are required,

No student other than a Physical Education major may apply more than 4 semester hours of basic Physical Education to the minimum degree requirement of 132 semester hours.

- (b) the Professional Education Program required for state certification,
- (c) the General Education Program for Teachers,
- (d) the major requirements of the department in which the student declares a major, and
- (e) requirements for certification in two or more teaching areas (combined minimum 36 semester hours), unless special exception is made by the Director of The School of Education.

### The Professional Education Program

Completion of 24 semester hours in the Professional Education Program is required of all students in the School of Education. The program is divided into "core" professional and "specialized" professional. The core professional will be completed by all students. Each student will elect to complete either the elementary or secondary specialized Education described below:

CORE PROFESSIONAL EDUCATION.....12 semester hours

Education 101 .....	(3)
Education 102 .....	(3)
Education 201 .....	(3)
Education 202 .....	(3)

SPECIALIZED PROFESSIONAL EDUCATION.....12 semester hours

(a) Elementary		(b) Secondary	
Education 385 .....	(3)	Education 381 .....	(3)
Education 386 .....	(3)	*Education 391 .....	(3)
Education 425 .....	(6)	Education 415 .....	(3)
		Education 416 .....	(3)

\*Education 391 in a specified subject field is not offered more than once each year. The student should take this course during the junior year.

### **The General Education Program**

The minimum General Education Program shall consist of not less than 45 semester hours of credit earned in the following prescribed areas of instruction with minimum credit being distributed as given below:

<b>AREA</b>	<b>Minimum Semester Hours</b>	<b>Required Courses</b>	<b>Elective Courses</b>
Communication	6	English 111 (3) English 112 (3)	
Health, Personal Development, or Home and Family Living (Two areas must be represented)	6	Health 101 (3)	3 semester hours from Heal. 241; Home Ec. 171, 241, 291, 471, 482; I. A. 362; Mgmt. 313; Psy. 113, 211, 213; Soc. 211, 212
Humanities (Three areas must be represented)	12	English 211 (3) English 212 (3)	6 semester hours from any two of the fields of Art, Drama, English, Foreign Language, History, Philosophy, Speech, Music or Psychology
Natural Sciences	9	One 2-semester-sequence course (6) (Biology, Chemistry Physics or Geography 111, 112)	3 semester hours from any Physical Science including Geography 111, 112
Social Sciences (Two areas must be represented)	9	History 221 (3) History 222 (3)	3 semester hours from a Social Science other than History
Mathematics	3	Mathematics 101* (3)	

\*A performance record in mathematics and additional credit in this area of the prescribed general education core may be substituted for Mathematics 101.

### **Major Requirements**

Each department in the School of Education is described on the following pages. In addition to a statement of the general purposes and functions of the department, there is a complete statement concerning major and minor requirements, and a description of all courses taught within the department.

### **Certificate Requirements**

Departmental majors and minors in the School of Education as described in this bulletin will meet certification requirements in each of the areas as listed below:

1. Library Service: minor as listed.
2. Health and Physical Education: major or minor as listed.

3. Home Economics (Non-vocational): major as listed, or
 

Home Economics .....	30 semester hours
Home Economics 111, 211, 312.....	(9)
Home Economics 241, 242, 341.....	(9)
Home Economics 291, 471, 481, 482.....	(12)
4. Industrial Arts (Major as Listed) or as follows: 30 semester hours
  - (1) Graphic Arts
 

Industrial Arts 151.....	(3)
Electives .....	(0-7)
  - (2) Woods and Construction
 

Industrial Arts 341.....	(3)
Electives .....	(0-7)
  - (3) Metals
 

Industrial Arts 372.....	(3)
Electives .....	(0-7)
  - (4) General Electricity
 

Electives .....	(0-9)
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  - (5) Crafts
 

Electives .....	(0-10)
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  - (6) Design
 

Industrial Arts 141.....	(3)
Industrial Arts 252.....	(2)

Eighteen semester hours in two or more of the areas (1)-(5) will endorse the student in the areas in which he has a minimum of eight (8) semester hours.

5. Music Education: majors or minors as listed.

6. Fine and Industrial Arts combination of 36 semester hours, as follows:

Art 111 and 313 or 411 or 412.....	(6)
Art 121, 211 .....	(6)
Art Ed. ....	(6)
Industrial Arts .....	(18)

Industrial Arts shall be represented by not less than 6 semester hours each in three of the areas listed, namely, graphic arts, woods and construction, art metals, general electricity, crafts, and mechanics.

7. Special Education.....21 Sem. Hrs.

An applicant for endorsement in the following areas of special education shall meet the requirements for endorsement as a regular classroom teacher grades 1-9.

For each type of endorsement desired, the applicant must meet the specialized requirements listed below for that area of endorsement. This preparation may be taken at either the undergraduate or graduate level. Courses listed in these endorsements, if already taken in meeting other requirements, may be counted.

- A. Educable Mentally Retarded.....21 Sem. Hrs.
 

Special Education 480.....	(3)
Special Education 481.....	(3)
Special Education 482.....	(3)
Special Education 427 and Educ. 425 or 426.....	(6)
Education S553 .....	(3)
Education 476, 102, 351, Speech 466, Art. Ed. 451.....	(3)
- B. Crippling and Special Health Conditions.....21 Sem. Hrs.
 

Special Education 480.....	(3)
Special Education 483.....	(3)

Special Education 484.....	(3)
Special Education 428 and Educ. 425 or 426.....	(6)
Special Education 485.....	(3)
Special Education 481, 482, Speech 467, Educ. 456.....	(3)

The areas listed below represent the teaching endorsements which may be earned through courses offered in the School of Business Administration. Courses which must be taken are indicated in each area.

1. General Business .....	18 semester hours
Management 101, 301.....	(6)
Secretarial Science 121, 122 or 222.....	(3)
Accounting 201 .....	(3)
Mathematics 121 .....	(3)
Economics 211 .....	(3)

2. Individual Business Subjects

Endorsement in general business is prerequisite for endorsement in any or all of the following subjects. Additional endorsements in these subjects may be earned by completing the courses indicated.

- a. Bookkeeping
  - Accounting 202, 272, and 311 or 331.....(7)
- b. Business English
  - Secretarial Science 351 or 352.....(3)
- c. Business Law
  - Management 302 ..... (3) |
- d. Business Machines
  - Management 271 ..... (3) |
- e. Business Mathematics
  - Mathematics 301 ..... (3) |
- f. Clerical Office Practice
  - Secretarial Science 371..... (3) |
- g. Consumer Education
  - Management 313 ..... (3) |
- h. Economics
  - Management 311, 312, 341, 413, 451..... (3) |
- i. Salesmanship
  - Marketing 301, 361 ..... (6) |
- j. Secretarial Practice
  - Secretarial Science 431..... (3) |
- k. Shorthand
  - Secretarial Science 211, 212, or 212 and  
one higher course..... (8) |
- l. Typing
  - One typing course above Secretarial  
Science 121, 122 or 222..... (6) |

The areas listed below represent the teaching endorsements which may be earned through courses offered in the School of Arts and Sciences. Courses which must be taken are indicated in each area.

1. Art.....24 semester hours

The Art Endorsement shall include 15 semester hours of Art and 9 semester hours of Art Education for a total of 24 semester hours, as follows:

Art 111 and 313 or 411 or 412.....	6 semester hours
Art 121, 211 and 212, or 311 or 312.....	9 semester hours
Art Education 151, 251.....	6 semester hours
Art Education 362.....	3 semester hours

2. English.....30 semester hours
- English 111, 112 .....(6)
- English 211, 212 .....(6)
- Practical English grammar .....(3)
- English or American Novels.....(3)
- Journalism 421, Speech 245, 491, 492.....(6)
- English Electives .....(6)
3. Foreign Language.....18-24 semester hours
- Endorsement in a single foreign language requires 18 semester hours based upon 2 or more units of high school credit, otherwise 24 semester hours are required. Endorsement in two foreign languages may be earned with 30 semester hours with not less than 12 semester hours in each in addition to 2 units of high school credit in each language.
- a. French
- Courses selected in conference with instructors.
- b. German
- Courses selected in conference with instructors.
- c. Spanish
- Courses selected in conference with instructors.
- d. Latin
- Courses selected in conference with instructors.
4. Mathematics.....18 semester hours
- Mathematics 141, 142, 143.....(9)
- Mathematics Electives .....(9)
- (Mathematics 100 is recommended for students who did not take solid geometry in high school).
5. Mathematics and Physical Science.....51 semester hours
- Endorsement in the combined area of mathematics and physical science requires the following:
- Mathematics 141, 142, 143 .....(9)
- Mathematics Electives .....(6)
- Chemistry 111, 112 .....(8)
- Physics 211, 212 .....(8)
- Geography and Geology .....(8)
- Electives in Mathematics and/or
- Physical Science .....(12)
6. Science
- For endorsement in the broad field of science the following is required .....32 semester hours
- Three of the following fields: biological science, chemistry, physics, and geology must be represented and the student can be certified to teach each field in which he has a minimum of 8 semester hours.
- For endorsement in individual subjects the following requirements are listed .....16 semester hours
- a. Biology .....16 semester hours
- Biology 141, 142 .....(8)
- Biology Electives .....(8)

- b. Chemistry .....16 semester hours
  - Chemistry 111, 112.....(8)
  - Chemistry Electives .....(8)
- c. Physics .....16 semester hours
  - Physics 211, 212 .....(8)
  - Physics Electives .....(8)

## 7. Social Studies

For endorsement in the broad field of social studies the following is required .....36 semester hours

- American: History 221, 222 .....(6)
- European or World: History 111, 112.....(6)
- Sociology: Sociology 211, 212 .....(6)
- Geography: Geography 111, 112.....(6)
- Economics: Economics 211, 212.....(6)
- Government: Political Science 221, 222.....(6)

For endorsement in individual subjects the following requirements are listed:

- a. Economics .....12 semester hours
  - Economics 211, 212 .....(6)
  - Economics Electives .....(6)
- b. Geography .....12 semester hours
  - Geography 121, 122, 351 .....(9)
  - Geography Electives .....(3)
- c. Government .....12 semester hours
  - Political Science 221, 222 .....(6)
  - Government Electives .....(6)
- d. History .....18 semester hours
  - History 111, 112 .....(6)
  - History 221, 222 .....(6)
  - History Electives: Any sequence of 300 or 400 history courses, American or European .....(6)
- e. Sociology .....12 semester hours
  - Sociology 211, 212 .....(6)
  - Sociology Electives .....(6)

## 8. Speech.....15 semester hours

- Speech 100 .....(3)
- Speech 466 or 491 .....(3)
- Speech 245 .....(3)
- Speech 492 .....(3)
- Speech Electives .....(3)

## 9. Elementary School Teacher.....71 semester hours

- Art 111 .....(3)
- Biology .....(6)
- English 111, 112, 211, 212.....(12)
- Geography 121, 122, 351 .....(9)

Health 101, and 241.....	(6)
Health 301 or 302 or 231.....	(3)
History 221, 222, 431 .....	(9)
Art Ed. 161 or Industrial Arts 331.....	(3)
Library Service 321 .....	(3)
Mathematics 101, 121 .....	(6)
Music 121, 122, 320 .....	(4)
Physical Education 350, 391.....	(4)
Speech 491 .....	(3)

10. Core Curriculum.....82 semester hours

Endorsement for core curriculum requires 82 semester hours distributed over the broad fields of language arts, social studies, science, library service, and others. For specific course requirements advice from the Chairman of the Department of Curriculum and Instruction is necessary.

**DEPARTMENT OF CURRICULUM AND INSTRUCTION****Mr. Rumble, Chairman**

**Mrs. Algee, Mr. Brownlee, Mrs. Davis, Mr. Dorn, Mr. England, Mrs. Henry, Miss Linskie, Miss McFaddin, Miss Moore, Mr. Perry, Mr. Raebeck, Mr. Story, Mrs. Story, Mr. Underwood**

The Department of Curriculum and Instruction has as its primary objective the training of teachers for the public schools of Tennessee. Requirements for certification are set up by the State Board of Education. Requirements for graduation are set up by the School of Education. The student's faculty advisor will aid the student in preparing a program of study leading to both certification and graduation.

The Department of Curriculum and Instruction offers two majors: one in secondary education and one in elementary education; and five minors: one in secondary education, one in elementary education, one in library service, one in art education, and one in special education. Course requirements for these majors and minors are described below:

**MAJORS**

1. The Secondary Education Major.....33 semester hours  
Students may major in secondary education by completing 33 semester hours in professional education which must include the following:

**CORE PROFESSIONAL EDUCATION (12 semester hours)**

- 101—Introduction to Education.....(3)  
102—Human Growth and Development.....(3)  
201—The Psychology of Learning.....(3)  
202—Routine School Management and Teaching Aids (3)

**SPECIALIZED PROFESSIONAL EDUCATION (12 semester hours)**

- 381—Foundations of Teaching Methods in High School Subjects .....(3)  
\*391—Materials and Methods in High School Subjects (Subject Field specified).....(3)  
415—Directed Student Teaching in High School Subjects (Subject Field specified).....(3)  
416—Directed Student Teaching in High School Subjects (Subject Field specified).....(3)

**SPECIFIED DEPARTMENTAL ELECTIVES (9 semester hours)**

Choose three courses from the following: Education 351, 417, 451, 452, 456, 461, 466, 471, 472, 476, S526, S553, S566, S584, Art Ed. 151, 251, 362, 451, and Lib. Service 322, 323, 421

\*Education 391 in a specified subject field is not offered more than once each year. The student should take this course during the junior year.

2. The Elementary Education Major.....33 semester hours  
Students may major in elementary education by completing 33 semester hours in professional education which must include the following:

**CORE PROFESSIONAL EDUCATION (12 semester hours)**

- 101—Introduction to Education.....(3)  
102—Human Growth and Development.....(3)  
201—The Psychology of Learning.....(3)  
202—Routine School Management and Teaching Aids (3)

**SPECIALIZED PROFESSIONAL EDUCATION (12 semester hours)**

- 385—Foundations of Teaching Methods in Elementary School Language Arts and Social Studies..(3)  
386—Foundations of Teaching Methods in Elementary School Science and Mathematics.....(3)  
425—Directed Student Teaching in the Elementary School .....(6)

**SPECIFIED DEPARTMENTAL ELECTIVES (9 semester hours)**

Choose from the following: Education 325, 351, 426, 429, 442, 443, 444, 445, 446, 451, 452, 456, 466, 471, 473, 476, S541, S553, S566, S585, Art Ed. 251, 361, 451, Lib. Service 411, 421.

**MINORS**

1. The Secondary Education Minor.....24 semester hours  
Students who complete the general education program before graduation may minor in secondary education by completing 24 semester hours in professional education which will include the core professional education of 12 semester hours and the specialized professional education of 12 semester hours and the specialized major in secondary education. To be eligible to complete the specialized professional education program the student must have met the requirements for one area of endorsement, grades 7-12.
2. The Elementary Education Minor.....24 semester hours  
Students who complete the general education program before graduation may minor in elementary education by completing 24 semester hours in professional education which will include the core professional education of 12 semester hours and the specialized professional education of 12 semester hours as described for the major in elementary education. To be eligible to complete the specialized professional education program the student must have met the requirements for the areas of endorsements, grades 1-9.
3. The Library Service Minor.....18 semester hours  
Students may minor in library service by completing the program of 18 semester hours in library service which the student will plan with the instructor of library service. The student desiring to be certified in the area of library service would need to complete the general education program.
4. The Art Education Minor.....18 semester hours  
Students may minor in art education by completing the program of 18 semester hours in art education which the student will plan with the instructor of art education. The student desiring to be certified in the area of art would need to complete the general education program and Art Endorsement as described in the catalogue.

5. The Special Education Minor.....21 semester hours  
Students who meet the requirements for endorsement as a regular elementary classroom teacher grades 1-9 may minor in special education by completing 21 semester hours of specialized requirements.

## DESCRIPTION OF COURSES

### Education

- 101—Introduction to Education. (3).

An overview of the whole field of education with emphasis on those things a student should know at the beginning of his professional career.

- 102—Human Growth and Development. (3).

An attempt is made to help the student better understand child nature and development, to appreciate the fact that all behavior is caused, and to form the habit of seeking bases for both normal and abnormal behavior in situations at home, at school, and in the community. (Replaces and absorbs Education 206, Child Psychology.)

- 201—The Psychology of Learning. (3).

The psychology of learning as applied to learning activities under the guidance of the school. (Replaces and absorbs Education 308, Educational Psychology).

- 202—Routine School Management and Teaching Aids. (3).

An attempt is made to help the student better understand routine school management, the importance and use of records and reports, and to develop skills in the use of teacher-made and standardized tests, audio-visual materials, and other sensory aids.

- 325—Observation, Participation, and Practice in the Elementary School. (3).

A preparatory course for directed student teaching in the elementary school.

- 351—Special Problems in Instruction. (1-3).

Individual investigation in the area of instruction. Prerequisite: experience as a teacher or satisfactory evidence of being qualified to benefit by such a course.

- 381—Foundations of Teaching Methods in High School Subjects. (3).

Emphasis is placed on ways in which learning experiences may be organized to insure effective pupil learning. Prerequisite: Completion of the core-professional program.

- 385—Foundations of Teaching Methods in Elementary School Language Arts and Social Studies. (3).

Approved techniques for developing good habits of listening, speaking, reading, and writing will be studied and observed in practice. An analysis will be made of the social problems in which the children of the elementary school are interested. Units of work will be developed. (Replaces Education 226 and 321.)

- 386—Foundation of Teaching Methods in Elementary School Science and Mathematics. (3).

A study of the natural environment as a child would view it. The types of activities that would challenge a child are carried out in the classroom. Prospective teachers are acquainted with the mathematical

processes required of the elementary school child. An insight is given into the reasons why certain methods are used. (Not open to students who have had Education 442 and 443.)

391—( ) Materials and Methods in High School ————. (3).

Objectives, nature of content, and grade placement of courses offered at the secondary school level in the subject matter area under consideration. Tools of instruction needed to carry on the work of the area; organization of courses and units of instructional teaching procedures and practice. Prerequisite: Education 381 and satisfactory preparation in the subject matter field.

Students registered in Education 391 ( ) will suffix or append one of the letters below to the course number so as to indicate the subject matter area to be covered. A student who is unable to schedule a methods course in his field of endorsement before graduation may register in Education 391W, provided he can arrange for a one-hour conference period each week with the chairman of the department preparing him to meet requirements in his endorsement area. Students may register for Education 391 ( ) more than once, but may not repeat the same endorsement area for credit.

Endorsement Areas (semester hours indicated in parenthesis):

- A. Art (3)
- B. Biology (3)
- C. Business
  - a. Vocational Business Subjects (3)
  - b. General Business Subjects (3)
- D. English (3)
- E. French (3)
- F. German (3)
- G. Home Economics (3)
- H. Industrial Arts (3)
- I. Latin (3)
- \*J. Mathematics (3)
- K. Music (3)
- L. Physical Education (3)
- M. Physical Science (3)
- N. Social Science (3)
- O. Spanish (3)
- P. Speech (3)
- W. \_\_\_\_\_ (4)

415—Directed Student Teaching in High School Subjects. (3).

Observation of the growth and development of pupils and of methods of teaching; participation in school activities, culminating in assuming responsibility for teaching entire groups.

416—Directed Student Teaching in High School Subjects. (3).

For the student who has had Education 415 and desires student teaching in a second endorsement area.

417—Directed Student Teaching in High School Subjects. (3).

For the student who has had Education 415 and desires student teaching at a different level.

425—Directed Student Teaching in the Elementary School. (6).

Observation of the growth and development of pupils and of methods of teaching; participation in school activities, culminating in assuming responsibility for teaching entire groups.

\*Offered only during spring semester, alternate years.

**426—Directed Student Teaching in the Elementary School. (3).**

For the student who is taking or has had Education 425 and desires additional experience.

**NOTE ON DIRECTED STUDENT TEACHING:** Directed Student teaching courses provide opportunity for observation of good teaching practices and for actual teaching experience under the direction of supervising teachers. Conferences with the supervising teacher, and with members of the Department of Curriculum and Instruction and other departments offering methods courses are provided for in the student's program. The requirements for enrolling in student teaching courses are as follows:

1. Classification as a senior and at least one semester of residence at Memphis State University.
2. An overall "C" average.
3. Completion of the core professional program and the two methods courses of the specialized professional program. Enrollment in a methods course concurrent with enrollment in the directed student teaching course may be approved.
4. Completion of the elementary school teacher endorsement requirements if at the elementary school level or completion of a secondary school endorsement area if at the secondary school level.
5. Filing of an application to enroll in a directed student teaching course with the Chairman of the Department of Curriculum and Instruction sixty days before the beginning of the semester in which the student desires to do his student teaching.
6. Approval of the Chairman of the Department of Curriculum and Instruction.

**Advanced Undergraduate Courses**

The course numbers below preceded by "S" indicate graduate courses open to advanced undergraduate students who lack only thirty-six semester hours credit toward graduation.

**429—Workshop for Teachers in the Elementary School. (3-6).**

A course designed to meet the needs of in-service teachers by offering an opportunity to work cooperatively on problems which are real to teaching situations and which meet the needs of the individual. Prerequisite: Teaching experience and consent of the director of the workshop.

**442—The Teaching of Natural Science in the Elementary School. (3).**

An advanced course in the study of the natural environment as a child would view it. A survey of suitable equipment and materials for the elementary classroom and limited experience at carrying on experiments at the child's level.

**443—The Teaching of Mathematics in the Elementary School. (3).**

An advanced course acquainting prospective and experienced teachers with the mathematical processes required of the elementary child and giving an insight into reasons why certain methods are used.

**444—The Teaching of the Social Studies in the Elementary School. (3).**

An analysis will be made of social problems, needs, and interests which are basic to the curriculum of the elementary school child. The role of the social studies and its relationship to the total school program will be emphasized.

**445—The Teaching of Children's Literature in the Elementary School. (3).**

A course designed to improve the methods of teaching children's literature in the elementary school. Units on story telling, dramatization, choral speech work, and the correlation of literature with the content subjects will be carried out.

**446—The Teaching of Reading in the Elementary School. (3).**

A study of reading methods designed for the development of efficient independent readers. Materials and activities appropriate for each developmental stage.

**448—Workshop in the Reading Program. (3-6).**

Through the media of group study, discussion, demonstrations, directed observation, and laboratory work, participants will have opportunity to formulate plans for their reading program as to content, methods and techniques, materials, and evaluative criteria.

**451—History of Education. (3).**

This course traces through European history some of the more important educational problems of modern times as they have been affected by the social and political facts of history, by the contributions of some of the leading educational theorists, and by institutional practices.

**452—History of Education in the United States. (3).**

This course aims to trace, describe, and evaluate, in the light of accepted facts, the development and growth of our educational practice, institutions, and theories from the beginning of colonial life to the present time.

**456—Educational Sociology. (3).**

Group or social behavior in the educational process; sociological factors involved in the interaction of pupils, teachers, administrators, and community.

**461—Curriculum Problems and Trends in the Secondary School. (3).**

This course is designed to afford some help in the clarification of secondary school educational purposes and in determination of appropriate learning activities. It deals with the functional teaching objectives, ways of attaining these objectives, methods of establishing relationships among the school subjects, developing the core curriculum, and the organization and use of units of work.

**462—Curriculum Problems and Trends in the Elementary School. (3).**

This course deals with general educational objectives and means of achieving them; the role of the various school subjects and their relationships, and with the organization and use of units of work in the core curriculum.

466—Audio-visual Aids to Teaching. (3).

Audio-visual materials will be examined from the point of view of their effectiveness and possible utilization in the school program. Opportunity will be provided to develop skills in the use of materials and equipment. The technical and administrative problems of integrating audio-visuals into the school curriculum will be studied.

471—Principles and Procedures of Guidance. (3).

An introduction to the principles of guidance with emphasis being placed upon the function of guidance in relation to child and adolescent needs.

472—The Psychology of Adolescence. (3).

A study of the characteristics of the adolescent stage of development that should be taken into account in the planning and teaching of secondary school courses of study, in the supervision of extra-class activities in the secondary school, and in guiding and counseling with adolescents.

476—Mental Hygiene and the School. (3).

Guidance for the teacher in working on her own personality development and a study of the mental hygiene of the child as affected by his total environment, past and present.

S541—Diagnostic and Remedial Reading in Elementary and Secondary Schools. (3).

An analysis of why certain children fail to read adequately. The development of a program in reading that will tend to correct reading deficiencies.

S553—Educational Tests and Measurements. (3).

This course deals with the principles underlying the construction of objective tests, and with the problems relating to the use and interpretation of school measurements by teachers and administrators. Practice is given in the construction of new-type and essay tests, and in the elements of statistical procedure necessary for the interpretation of school measurements.

S566—The Pupil Activity Program. (3).

A study of current philosophy and practice in regard to responsibilities of teachers, supervisors, and administrators for those phases of educational practice which are essential for the educational program, but are not considered as part of general classroom procedure.

S584—High School Administration. (3).

This course is offered as a concise description of modern useful practices in organizing and administering secondary schools, types of high schools, selection and assignment of staff, program of studies, records, management of buildings and grounds, pupil personnel, guidance, selection, retention and improvement of teachers, and interpreting the school to the public.

S585—Elementary School Administration. (3).

A study of the major aims of the elementary school; planning the daily program through integration and related subjects; learning to keep and interpret various types of records and reports. Considering the importance of proper teacher-pupil, teacher-teacher, teacher-administrator, and teacher-parent relationship. Special emphasis on the P. T. A. program in Tennessee.

### **Art Education**

#### **151—Introduction to Art Activities. (3).**

A beginning course for students with limited art training in the exploration of art techniques in various media. Problems in two dimensional and three dimensional design. Two hours lecture; two hours laboratory.

#### **161—Art Skills for the Elementary Teacher. (3).**

An introductory course designed for teachers in the development of art skills for the elementary school. Two hours lecture; two hours laboratory. (Not open to students who have had a quarter hour course in Art 111 or Art 112 under the old catalogue.)

#### **251—The Role of Art in Education. (3).**

A survey course of contemporary concepts, practices, and methods used in the school art program. Materials, techniques and ideas important to children's art expression, and significant in educational growth. (Not open to students who have had a quarter hour course in Art 312 under the old catalogue.)

#### **361—Arts and Crafts in Elementary Education. (3).**

A study of the role of the crafts program in the elementary school; methods of presentation, evaluation, and development of skill in school craftwork. Two hours lecture; two hours laboratory.

#### **362—Art Techniques in Secondary Education. (3).**

Designed to aid secondary school teachers with no previous art training in the use of art skills and techniques as an integrative force in education. Topics: bulletin board display, map and model construction, drawings, and other illustrative aids. Two hours lecture; two hours laboratory.

#### **451—Art Education Workshop. (3).**

Individual or group study in the area of art education. Designed to meet individual needs in the solution of practical problems occurring in the school program.

### **Library Service**

#### **321—Books and Related Library Materials for Children. (3).**

Primarily a reading course based on materials suitable for elementary school children. Includes a study of their leisure-time interests and curricular needs; criteria for evaluating books and related materials, such as magazines, phonograph records, radio programs and films; aids used in their selection; types of literary and informational books; authors, illustrators, and publishers; story-telling and other devices for encouraging reading.

#### **322—Books and Related Library Materials for Young People and Adults. (3).**

The course is presented in the same manner as Books for Children but is adapted to materials on the junior and senior high school level. An examination will be made of a wide variety of materials from the standpoint of curricular needs, reading interests and personal growth of adolescent students. Attention will also be given to an examination of adult books to enable librarians to work more effectively with faculty and community groups.

**323—Reference Materials. (3).**

This course includes a study of reference materials useful in various areas of the elementary and secondary school curriculum. Basic reference materials in every general field are studied thus making the course desirable for teachers as well as librarians. Practice in handling reference questions is provided.

**411—Organization of Materials. (3).**

Includes instruction and practice in simplified procedures for acquisition, preparation, organization and circulation of books and related library materials, such as pamphlets, periodicals and audio-visual aids.

**412—Cataloging and Classification. (3).**

Introduction to principles underlying the classification of books and simplified techniques of cataloging books and other materials. The abridged Dewey Decimal Classification scheme is used and the use of printed cards is stressed.

**421—School Library Administration. (3).**

The library is treated as a service agency in this course. Emphasis is given to the place of the library in the instructional and guidance program of the school and the philosophy and purposes of libraries and librarianship. Included are such problems as standards and evaluation, public relations and publicity, support, housing and equipment, training of assistants and library study hall relationships. Field trips are made to different types of libraries.

## SPECIAL EDUCATION

427—Student Teaching with the Educable Mentally Retarded. (3).

Orientation, observation, teaching with mentally retarded pupils. (Education 425 or 426 is a prerequisite to Special Education 427).

428—Student Teaching with Pupils who have Crippling and Special Health Conditions. (3).

Orientation, observation, teaching with pupils who have crippling and special health conditions (Education 425 or 426 is a prerequisite to Special Education 428).

480—Education of Exceptional Children. (3).

A survey course which deals with the general problems involved in the education of exceptional children.

481—Education of the Mentally Retarded Child. (3).

Designed to aid students in understanding the mentally retarded child. Includes basic educational techniques and methods applicable to mentally retarded children.

482—Education of the Brain-Injured Child. (3).

This course includes a study of basic concepts and principles designed to familiarize the student with special procedures and materials adaptable to the brain-injured child.

483—Education of Hospitalized and Homebound Children. (3).

Orientation to the general and specific problems of the hospitalized and homebound child.

484—Education of Cerebral Palsied Children. (3).

A study of the characteristics and needs of the cerebral palsied child. Including: skills and techniques in providing individual institutions, treatment and prevention, emotional and social problems, and vocational rehabilitation.

485—Social Case Work in Education. (3).

An introductory course designed to acquaint the student with the concepts and principles underlying social case work.

**DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION****Mr. Humphreys Chairman**

**Mr. Curlin, Mr. Davis, Miss Deakins, Mr. Ehlers, Mrs. Floyd, Mr. French, Mr. Hatley, Miss Illing, Mr. Johnson, Miss McNeill, Mr. Morris, Miss Roane, Mr. Scott, Mr. Vanatta**

The purpose of the health and physical education courses are to improve the habits and principles of health for individuals, and in the schools; to develop the individual physically, and to train teachers of health and physical education. The aims specifically are: (a) to guide youth in the conservation and improvement of their own health; (b) to cultivate in the student socially desirable attitudes and traits; (c) to emphasize the acquiring of skills in recreational physical activities that can be used pleasantly and profitably in adult life; (d) to provide a corrective and adaptive program for students with a physical weakness or handicap; and (e) to acquaint prospective teachers with the importance of health and physical education in order that the school may make its proper contribution to the promotion of health and wholesome living to the individual, the family, and the community.

Four semesters of physical education activity courses are required of all students except those completing two years of AF-ROTC, in which case only two semesters are required. All students are required to take Physical Education 100 for one semester at the completion of which a physical fitness test is given. Those passing the test may complete their requirement by selecting activity courses on the 200 level. Those not passing will take one more 100 activity course before starting the 200 activity courses. No student other than a Physical Education major may apply more than 4 semester hours of basic Physical Education to the minimum degree requirement of 132 semester hours. If officially excused from active participation, the student is still required to register for these courses, but will attend the class held for the inactive group.

Members of varsity and freshman athletic squads, with the exception of majors in health and physical education, upon recommendation of the coach concerned, may substitute activity on athletic squads for Physical Education 100 or Physical Education 200 activity courses.

**MAJOR IN HEALTH AND PHYSICAL EDUCATION**

A major in this department consists of not less than 39 specified semester hours for women, and 40 specified semester hours for men in health and physical education courses, exclusive of Physical Education 100.

The requirements for a major in health and physical education are as follows:

For Women.....	39 semester hours
Health 101, 231, 241, 301, 302.....	(15)
Phys. Ed. 299, 327, 328, 342.....	(10)
Phys. Ed. 351, 382, 391.....	(8)
Phys. Ed. 241, 243, 245, 246, 260, 261.....	(6)

For Men .....	40 semester hours
Health 101, 231, 241, 301, 302.....	(15)
Phys. Ed. 281, 282, 283, 284.....	(4)
Phys. Ed. 299, 328, 342.....	(7)
Phys. Ed. 351, 382, 391.....	(8)
Phys. Ed. 212, 241, 245, 246, 260, 261.....	(6)

In addition to the above, majors are required to take Biology 121 and 130.

### **MINOR IN HEALTH AND PHYSICAL EDUCATION**

The requirements for a minor in health and physical education are as follows:

For Women .....	28 semester hours
Health 101, 231, 241, 301, 302.....	(15)
Phys. Ed. 342, 351, 382, 391.....	(10)
Phys. Ed. 327 or 328.....	(3)
For Men .....	30 semester hours
Health 101, 231, 241, 301, 302.....	(15)
Phys. Ed. 328, 342, 351, 382, 391.....	(13)
Phys. Ed. 281, 282, 283, 284.....	(2)

### **PROGRAM IN CORRECTIVE THERAPY**

A cooperative program exists between the School of Education and Kennedy Veterans Hospital for training Exercise Therapists in the field of Corrective Therapy which enables the student to meet Civil Service requirements.

The School of Education requires a second endorsement area; this may be satisfied by physical education majors completing the following prescribed 18 semester hours: Physical Education 271, 343, 344, 444, and Psychology 312.

### **MAJOR IN HEALTH**

A special degree program for the training of Graduate Nurses is available in this department. A major in this area consists of 33 specified semester hours in the following health courses: Health 150, 151, 250, 302, 414, 416, 450, 460, 470, 476, 480.

### **DESCRIPTION OF COURSES**

#### **Health**

#### **101—Health Personal and Community. (3).**

Course content shall include the physiological basis of correct living including a minimum of fundamental biological facts; the psychological aspects of human behavior as they affect individual health conduct and mental hygiene; the agents of disease and modern scientific methods employed in their control; the procedures for maintaining health through the provision and utilization of public health agencies and related cooperative agencies; and the individual's responsibility for maintaining a healthful modern community. The teaching of the course will be slanted toward the development of habits and ideals which will motivate the student to translate health knowledge into health behavior. Three hours lecture.

150—Introduction to Public Health. (3).

A study of the organization and structure of the official and voluntary health agencies, international, national, state, and local. Consideration is given to the aims, objectives and underlying principles as they are related to the nurse and teacher.

151—Control Methods of Preventable Diseases. (3).

A study of the factors which relate to the control of communicable and non-communicable disease. Modern techniques of prevention, immunization and control of spread of disease through medical and nursing supervision are stressed.

231—Safety and First Aid. (3).

Instruction for students who wish to familiarize themselves with first aid and safety measures. First aid materials are used in practice; recognition of injuries and emergency treatment practiced; first aid and safety for the home, school, and community are covered. Three hours lecture.

241—Nutrition. (3).

See Home Economics 241.

250—Maternal and Child Health. (3).

A study of the trend in development of community programs based on modern concepts of adequate maternal and child care. Emphasis is placed on the public health significance of improvement of social, economic and physical welfare of mothers and children through cooperation of all community agencies. Materials, techniques and resources used in solving maternal and child health problems are considered.

301—Health Education in Schools. (3).

This course is centered around an analysis of the health problems of school age children in the home, school, and community. A study is made of the health education program with consideration of health needs and educational procedures and principles involved in coordinating health instruction with other areas of the curriculum. Current materials and available resources for health teaching are surveyed. Emphasis is placed on improving health behavior through sound health teaching. Three hours lecture.

302—Health Service in Schools. (3).

This course is a study of the methods of organizing and implementing health measures in schools and of relating the health services of schools to other community agencies; techniques for determining health status through screening processes; the teacher's function in the conservation of health through the detection of remedial defects and follow-up for correction; the school's responsibility for the promotion of health through environment and special health services; factors in environment, sanitation in the home, school, and community as it affects the school child will be considered.

321—Advanced Safety and First Aid. (2).

A course for students who wish to qualify as Red Cross Approved Instructors in First Aid. Health 231 or a Red Cross Advanced Certificate is a prerequisite for this course. Emphasis will be placed upon the

techniques of demonstration and presentation of first aid principles and methods. Upon the successful completion of this course, a Red Cross First Aid Instructor's Certificate will be awarded.

414—Problems of the Exceptional Child. (3).

See Psychology 414.

416—Field Practice in Community Health Agencies. (3).

This course offers an opportunity for the student to observe and practice under supervision all phases of public health activities which the professional nurse would be expected to participate. Experience is planned to meet the needs of the individual student.

450—Supervision of Health Services. (3).

Principles, functions and methods of supervision applied to family centered health needs and services. Emphasis is placed on the use of supervision in planning, evaluating and improving the total health program rather than on the techniques of supervising.

460—Administration of Health Services. (3).

A study of the basic principles and procedures of administrative practice as applied to health agencies. Emphasis is placed on the relationships and responsibilities of personnel in planning, promoting and coordinating the health program. The legal and legislative aspect of health activities is included.

470—Trends and Problems in Public Health. (3).

A review of the historical development and current trends in professional nursing as a community service; the various needs and demands for medical care; the contribution of the professional personnel in providing for total health services and education.

476—Mental Hygiene. (3).

See Education 476.

480—Health Statistics. (3).

A study of the statistical method including collection, analysis and presentation of numerical data pertaining to health problems.

### PHYSICAL EDUCATION

100—Orientation and Conditioning. (1).

One or two semesters required of all students.

200—Selected Physical Activities. (1).

Two or three semesters required of all students selected from activities listed below which will be offered during the two semesters of the year. Prerequisite: one semester Physical Education 100.

MEN	WOMEN	CO-EDUCATIONAL
100—Orientation and Conditioning	100—Orientation and Fundamental Rhythms	241—Folk and Social Dance
211—Inactive and Adaptive	251—Inactive and Adaptive	242—Tap Dance
212—Tumbling and Wrestling	252—Soccer, Speedball, Field Hockey and Volleyball	243—Modern Dance
213—Boxing	253—Basketball, Tumbling, Softball, Track and Field Events	244—Modern Dance (Advanced)
214—Touch Football and Basketball	255—Badminton	245—Archery and Recreational Games
215—Tennis	256—Tennis	<b>PHYSICAL EDUCATION MAJORS</b>
216—Golf	257—Golf	212—Tumbling and Wrestling
217—Volleyball and Softball	258—Beginning Swimming	241—Folk and Social Dance
219—Swimming	259—Intermediate Swimming	243—Modern Dance
220—Handball		245—Archery and Recreational Games
		246—Tennis and Golf
		260—Swimming (Beginning and Intermediate)
		261—Swimming (life saving)

271—Community Recreation. (3).

Study of the scope of community recreation; basic social values, organization and relation to other social institutions. Includes a study of program content and leadership methods with particular emphasis on playground methods and activities. Three hours lecture.

272—Club and Camp Leadership. (3).

Theory and procedure in organization and leadership of club groups and camping activities; practical laboratory work with local groups and camping projects. Two hours lecture; two hours laboratory.

281—Fundamentals and Techniques of Football. (2).

Fundamentals of football coaching with special emphasis on blocking, tackling, passing, punting, catching; principles of line and back-field work; and the manner of playing the various positions; formations of plays, generalship, signal systems, and scouting; some coaching problems, study of the rules. Two hours lecture supplemented by demonstration on field.

282—Fundamentals and Techniques of Basketball. (2).

This course deals with the theory and practice of basketball, coaching, history of the game, and study of the rules. A study is made of offensive and defensive systems, and drills for the development of fundamental skills in the game are taught. Training and conditioning of basketball squads are covered; classroom work supplemented with practice on gymnasium floor. Two hours lecture.

283—Fundamentals and Techniques of Track and Field. (2).

A study of the accepted forms of starting, hurdling; distance running, pole vaulting, discus and javelin throwing, and sprinting;

study of physical conditions affecting speed, endurance and fatigue; the selection and preparation of contestants for the various track and field events; managing and officiating the games and meets; study of rules. Two hours lecture supplemented by demonstration on track.

284—Fundamentals and Techniques of Baseball and Softball. (2).

This course covers the theory and practice of baseball coaching with attention given to the coaching of the individual, in base running, fielding, batting, and pitching; detailed study is made of each position; offensive and defensive team play; officiating; scoring; study of rules. Two hours lecture supplemented by demonstration.

299—History and Principles of Physical Education. (2).

Study of the beginnings of physical education systems and practices with developments down to modern times. Changes as related to political and economic cycles are traced with the underlying principals common to all epochs shown. The final effort is to show the place of a sound physical education program in the modern school systems with a proper appreciation of its historical development. Two hours lecture.

327—Materials and Methods in Team Sports for Women. (3).

Fundamentals of teaching and coaching team sports, including history, rules, skills, and teaching progressions. Practical laboratory experience in intramural and activity classes. Two hours lecture, two hours laboratory.

328—Materials and Methods in Individual and Dual Sports. (3).

Study of teaching methods, instruction and participation in individual recreational sports, tumblings, mass gymnastics, and conditioning activities; includes means of providing facilities for these activities. Two hours lecture, two hours laboratory.

332—Tests and Measurements in Health and Physical Education. (3).

A study is made on the various tests in the field of Health and Physical Education; including uses and interpretation of elementary statistical techniques with application in Health and Physical Education.

335—Driver Education and Training. (3).

Classroom instruction that includes traffic and safety practices, care and upkeep of the automobile, and the mechanics of driving, also behind-the-wheel instruction.

342—Corrective and Adaptive Physical Education. (2).

A theory course including lectures, demonstrations, and problems of the mechanics of physical deformities and their causes. Abnormalities of the spine, feet, and other postural and functional conditions are discussed. Treatment by active and passive movements is applied in corrective physical education class for freshmen and sophomores. Two hours lecture with laboratory arranged.

343—Kinesiology. (3).

Analysis of bodily movement in terms of the muscular forces operating on the bones.

344—Physiology of Exercise. (3).

Lectures dealing with the physiological adjustment of organs and systems to exercise.

350—Methods and Materials in Rhythms for Elementary School. (2).

Basic theory, participation, techniques, materials and teaching methods in rhythmic activities for grades one through nine. Course will include laboratory experiences.

351—Methods and Materials in Rhythms and Dance. (3).

Basic theory, participation, techniques, materials, and teaching methods in rhythmic activities from the first grade through the twelfth. Course will include laboratory experiences.

382—Organization and Administration of Health and Physical Education. (3).

A study of administrative problems of health and physical education, including curriculum, facilities, buying and caring for equipment, general class organization, and organization of an intramural program. Three hours lecture.

391—Materials and Methods in Physical Education for Elementary Schools. (2).

This course covers the theory and activities for physical education in grades one through nine; including teaching methods, program planning and participation in stunts, mass gymnastics, relays, informal games, team games, individual and dual sports and mimetics. Practical experience is gained through observing and directing play activities for children in training school. Two hours lecture. Course will include laboratory experiences.

421—Special Problems in Athletic Coaching. (3).

Students may register for a special program in the coaching of athletics. They may work under the supervision of a staff member in carrying out a research project in one or more of these special areas:

- A. Football Coaching
- B. Basketball Coaching
- C. Baseball and Track Coaching
- D. Coaching other team sports

This course may also be carried on as organized group study and the discussion of problems in the coaching field. It may be taken only one time for credit. Coaching experience and the approval of the instructor are prerequisite to registration for this course.

434—Problems in Health Education and Physical Education. (3).

Designed to afford opportunity for prospective or in-service school and professional personnel to work individually or in groups in health education, and on physical education factors in the solution of practical problems.

444—Clinical Practice. (6).

Supervised clinical practice in the Department of Physical Medicine and Rehabilitation Service at the Kennedy V. A. Hospital. Instruction will be given in the conditioning, ambulation and self care of paraplegics, quadraplegics, hemaplegics, and other neurological disabilities.

**DEPARTMENT OF HOME ECONOMICS****Miss Henderson, Chairman****Miss Whitaker, Mrs. Sands**

The Department of Home Economics provides professional education qualifying for teaching in junior and senior high schools. It also includes courses in personal living, human relations and related art.

A program may be planned to meet the entrance requirements set up by the American Dietetics Association for postgraduate internship.

**MAJOR**

A major consists of 36 hours of credit in home economics and 14 hours in related courses as follows:

Lower Division .....	18 semester hours
171 .....	(3)
111, 211 .....	(6)
241, 242 .....	(6)
291 .....	(3)
Upper Division .....	18 semester hours
312, 341 .....	(6)
342 or 421 .....	(3)
471, 481, 482 .....	(9)
Related Courses .....	14 semester hours
Chemistry 111, 112 .....	(8)
Biology 341 .....	(3)
Sociology 211 .....	(3)

**MINOR**

A minor open to any student in the School of Business Administration or the School of Arts and Science consists of 18 hours of credit in Home Economics as follows:

Lower Division .....	12 semester hours
111, 181 or 211 .....	(6)
241, 242 .....	(6)
Upper Division .....	6 semester hours
471 .....	(3)
One other upper division course .....	(3)

**DESCRIPTION OF COURSES****Clothing and Textiles**

111—Clothing Selection and Construction. (3).

Standards in selecting and purchasing; construction of cotton garments to meet individual needs. One hour lecture; four hours laboratory.

211—Clothing Construction. (3).

Fundamental principles of clothing construction, fitting and finishing garments to develop techniques in handling silks and synthetic fabrics. Prerequisite: Home Economics 111. One hour lecture; four hours laboratory.

312—Textiles. (3).

A study of textile fibers used for clothing and house furnishing. Two hours lecture; two hours laboratory.

421—Family Clothing. (3).

Tailoring, construction, care and repair of clothing suited to family needs. Prerequisite: Home Economics 111, 211. One hour lecture; four hours laboratory.

**Foods and Nutrition**

241—Elementary Nutrition. (3).

Nutritive value of food, factors influencing body food requirement and health. Open to freshmen. Three hours lecture.

242—Food Selection and Preparation. (3).

Principles underlying the selection and preparation of foods with an introduction to the planning and serving of meals. Open to freshmen. One hour lecture; four hours laboratory.

341—Meal Preparation and Table Service. (3).

Nutrition fundamentals in individual and family dietaries, meal planning, marketing and table service for various occasions. Prerequisite: Home Economics 241, 242. One hour lecture; four hours laboratory.

342—Nutrition and Diet Therapy. (3).

Dietary problems applicable to the prevention and treatment of diseases in which therapeutic diets are of major importance. Prerequisite: Home Economics 341, and Chemistry 112. Two hours lecture; two hours laboratory.

Home Economics 351—Quantity Cookery. (3).

Practical problems in preparing and serving foods for large groups. Use of standardized recipes, calculation of food costs, and use of institution equipment. Prerequisite: Home Economics 342. One hour lecture; four hours laboratory.

Home Economics 352—Institution and Management Practice. (3).

Observation and practice in handling problems of organization and management of quantity food service. Prerequisite: Home Economics 351.

**Human Relations and Related Art**

171—Personal Development and Human Relations. (3).

Individual and group adjustment, influences contributing to successful marriage and family life. Three hours lecture.

181—Art in Everyday Life. (3).

A study of the art elements and art principles through an analysis of everyday objects. Three hours lecture.

291—Health of the Family and Home Nursing. (3).

Building health habits, protection against illness and accidents; simple procedures in caring for the sick. Open to freshmen. Two hours lecture; two hours laboratory.

**471—Child Development and Family Relationships. (3).**

Courtship, marriage and achievement of satisfaction in present day family life; social, emotional, mental growth of the child. Three hours lecture.

**481—Home Furnishing and Equipment. (3).**

Principle of design and color theory applied to the selection and arrangement of the house and its furnishing. One hour lecture; four hours laboratory.

**482—Home Management and Consumer Education. (3).**

Problems in management of money, time, and energy; study of consumer goods; guides to buying. Three hours lecture.

**Home Economics Education**

Methods of Teaching Home Economics. (See Education 391.)

Supervised Teaching in Home Economics. (See Education 415, 416, 417.)

**DEPARTMENT OF INDUSTRIAL ARTS****Mr. Coltharp, Chairman****Mr. Brotherton, Mr. Hirschmann, Mr. Nave, Mr. Ogle, Mr. Street**

The general objectives of this department are:

1. To provide professional training for:  
Teachers and administrators in the specialized areas of industrial arts education.  
Elementary teachers in the appropriate phases of industrial arts.  
Those interested in industrial training programs.  
Therapists in the manual skills areas.
2. To provide pre-engineering students with:  
Technical laboratory experiences.  
Materials and production studies.
3. To contribute to general education aims through:  
Studies of current industrial materials and practices.  
Participation in representative manipulative experiences.

NOTE: Industrial Arts majors, when approved, may substitute the minor requirements of any two departments in the university for: (1) The professional education requirement, and (2) the endorsement requirements for certification.

**Major**

A major shall consist of not less than 36 semester hours, of which 9 hours shall be upper division courses.

Lower Division.....	10-12 semester hours
141, 151 .....	(6)
161, 171, 231, 252, 281.....	(4-6)
Upper Division.....	9 semester hours
341 or 342, 372, 441.....	(9)
General Electives.....	15-17 semester hours

**Minor**

A minor shall consist of not less than 18 hours, of which 6 hours shall be upper division courses.

**DESCRIPTION OF COURSES****231—Ceramics. (3).**

Hand forming and production processes using clays, plasters and cements. One hour lecture; two hours laboratory.

**232—Ceramics. (3).**

Continued hand forming and production methods with experimental studies. One hour lecture; four hours laboratory. Prerequisite: I. A. 231.

**331—Crafts for Teachers. (3).**

Resourceful use of common and local craft materials. One hour lecture; four hours laboratory.

**332—Crafts for Teachers. (3).**

Emphasis upon tools, supplies, and activities for crafts programs. One hour lecture; four hours laboratory. Prerequisite: I. A. 331.

**434—Problems in Industrial Arts Education. (3).****435—Clinical Practice in Manual Arts Therapy. (6).**

Supervised clinical practice in the Physical Medicine and Rehabilitation Service at Kennedy VA Hospital. Instruction will be given in Manual Arts Therapy treatment techniques as applicable to paraplegics, quadriplegics, hemiplegics, other neuropsychiatric and pulmonary diseases.

### **GENERAL**

**141—Introduction to Industry. (3).**

Basic philosophies, materials, and processes. Three hours lecture.

**142—Interpretation of Technical Drawing. (3).**

The graphic language as a technique of communication in industry. Three hours lecture. Prerequisite or corequisite: I. A. 141.

**241—Analysis. (3).**

Study of analytical procedures in jobs, trades, and industries. Three hours lecture.

**242—Production Equipment and Processes. (3).**

Study of current manufacturing equipment and its uses. Three hours lecture.

**341, 342—Materials of Industry. (3 credits each semester).**

Processing and uses of materials. Three hours lecture.

**441—Production Control. (3).**

Study of the elements of production and their coordination. Three hours lecture.

**442—Production Methods. (3).**

Practice in wood and/or metal production procedures. One hour lecture, four hours laboratory.

### **DRAFTING**

**151, 152—Engineering Drawing. (3 credits each semester).**

Basic drafting practices progressing through use of instruments, theory of projections, and working drawings. One hour lecture; four hours laboratory.

**251—Descriptive Geometry. (3).**

Representation and space relations of points, lines, and plane intersections and development. One hour lecture; four hours laboratory. Prerequisite: I. A. 151.

**252—Industrial Design. (3).**

Theory and application of design and principles in industry. Three hours lecture. Prerequisite: I. A. 151.

**351, 352—Architectural Drawing. (3 credits each semester).**

Planning and executing of residential preliminary and working drawings, details, and specifications. One hour lecture; four hours laboratory. Prerequisite: I. A. 152.

### **WOODWORK**

161—Woodwork. (3).

Hand tools and processes of general woodwork. One hour lecture; four hours laboratory.

162—Machine Woodwork. (3).

Common woodworking machines and their operation. One hour lecture; four hours laboratory. Prerequisite: I. A. 161.

261—Patternmaking. (2).

Design and construction of wood patterns for foundry work. One hour lecture; two hours laboratory. Prerequisite: I. A. 161.

262—Woodturning. (2).

Use of the wood turning lathe. One hour lecture, two hours laboratory.

361—Machine Woodwork. (3).

Woodworking machines with emphasis on special operations. One hour lecture; four hours laboratory. Prerequisite: I. A. 162.

362—Upholstery. (3).

Fundamentals of pad and spring upholstery. One hour lecture; four hours laboratory.

### **METALWORK**

171—Metalwork. (3).

Tools, materials, and processes of general metalwork. One hour lecture; four hours laboratory.

172—Machine Tool Laboratory. (2).

Experiences with the basic machine tools of industry. One hour lecture; two hours laboratory.

271—Welding. (2).

Techniques and materials of gas and electric arc welding. One hour lecture; two hours laboratory.

272—Foundry. (2).

Production of non-ferrous castings. One hour lecture; two hours laboratory. Prerequisite or corequisite: I. A. 261.

371—Machine Tool Laboratory. (3).

Advanced machine tool usages. One hour lecture; four hours laboratory. Prerequisite: I. A. 172.

372—Maintenance and Planning of Equipment. (3).

Design of Industrial Arts laboratories and maintenance of equipment. One hour lecture; four hours laboratory.

### **ELECTRICITY**

281—Electricity. (3).

Fundamental principles and practices of electrical circuits. One hour lecture; four hours laboratory.

282—Radio. (3).

Components, circuits, and theory of the radio receiver. One hour lecture; four hours laboratory. Prerequisite: I. A. 281.

381—Television. (3).

Circuits of the television receiver. One hour lecture; four hours laboratory. Prerequisite: I. A. 282.

## DEPARTMENT OF MUSIC EDUCATION

Mr. Harris, Chairman

Mr. Blickensderfer, Mr. DeFrank, Mr. Eaheart, Miss Gandy,  
Mr. Gilbert, Mr. Haggh, Mr. Hale, Mrs. Maxwell, Mr. Robertson,  
Mrs. Taylor, Mr. Webber

The Department of Music Education has for its primary objective the musical training of two types of students:

1. Those who plan to become teachers, supervisors, and directors of music in elementary and secondary schools.
2. Those who plan to become classroom teachers in elementary schools.

Secondarily, the department provides experiences in listening and in performing which are planned to develop in the student body as a whole an appreciation of music.

### MAJORS

Students in the Department of Music Education may major in

1. Public School Music (endorsement for grades 1-12), or
  2. Instrumental Music (endorsement for grades 1-12), or
- they may major in one of these areas and minor in the other. Completion of the following steps is necessary for a major:

1. Major Music Core (listed below), (44).
2. Teaching Area (Select one area as a major; or select one as a major and the other as a minor)
  - a. Public School Music. (7).  
Mus. Ed. 321—Music Supervision in Grades 1-9. (3).  
Mus. Ed. 133—Woodwind Instrumental Methods. (2).  
Mus. Ed. 135—Brass and Percussion Instrumental Methods. (2).
  - b. Instrumental Music. (13).  
Mus. Ed. 331—Materials and Methods of Instrumental Music. (3).  
Mus. Ed. 133—Woodwind Instrumental Methods. (2).  
Mus. Ed. 135—Brass and Percussion Instrumental Methods. (2).  
Applied Music—Attainment of Upper Division standing on one instrument. (6).
3. Professional Education. (24).  
(Public School Music Majors may elect the core professional program for grades 1-9 or grades 7-12. Instrumental Music Majors must follow the core professional program for grades 7-12.)
4. Completion of general education program and requirements for graduation set up by the school in which the student is enrolled.

5. Participate each semester in one of the bands, choirs, or orchestras. The student is expected to plan for some variety in these activities in order to gain experience in more than one field of performance.

### MINORS

A student who has a major in some other department of the university may complete a minor in Public School Music or in Instrumental Music, by completing the requirements for the major listed in steps "1" through "4" above, and excepting that in step "1" the hours required shall be the 30-33 listed in the Music Core for a minor.

### MUSIC CORE

	For a Minor	For a Major
111A, 111B, 112A, 112B—Music Theory I.....	10	10
211, 212—Music Theory II.....	2-5	10
301—Counterpoint .....	0	2
308—Form and Analysis.....	0	2
315—Instrumentation .....	2	2
317—Conducting and Score Reading.....	2	2
401, 402—History of Music.....	2	2
Applied Music <sup>1</sup> .....	12	12

Voice<sup>2</sup> (Mus. Ed. 123, 124 or Mus. 191). (2-6).

Piano<sup>2</sup> (Mus. Ed. 125, 126 or Mus. 171). (2-6).

Strings<sup>2</sup> (Mus. Ed. 131, 132 or Mus. 181). (2-6).

<sup>1</sup>The student will select courses as directed by his advisor to meet his individual needs. In general, it is expected that the student who seeks endorsement in Instrumental Music will register for the maximum number of hours credit in instrumental courses and the minimum number of hours credit in voice and piano, whereas the student who seeks endorsement in Public School Music will register for the maximum in voice and piano and the minimum in instrumental courses. Students who demonstrate a high degree of proficiency in performance in one field may be excused from study in that field provided that the minimum number of hours credit in applied music courses does not fall below twelve.

<sup>2</sup>The student who majors in Public School Music (this does not apply to the student who seeks endorsement only) must meet the proficiency requirements of the sophomore year in both voice and piano, as stated under the course descriptions of Music 291 and Music 271. This requirement may be met (1) by completing the sequence of courses in voice and piano, or (2) by passing an examination (without credit) offered at stated intervals by the Department of Music Education. It is the responsibility of the student to arrange with the Chairman of the Department of Music Education for such examination before the end of the sophomore year.

With the approval of the student's advisor, organ may be substituted for a part of the piano requirements in some instances.

### **Description of Courses**

(For other courses in music, see listings in the Department of Music, School of Arts and Sciences.)

**121, 122—Basic Music for Classroom Teachers. (1 credit each semester).**

An understanding of scales and keys, meter and rhythm, and music notation is developed through experiences in simple melody and chord playing, singing, and rhythmic activities. Does not require prior training in music. Not open to music majors.

**123, 124—Class Instruction in Voice. (1 credit each semester).**

The principles of proper vocal technique, posture, breath support, diction, tone-production. Two hours of laboratory per week.

**125, 126—Class Instruction in Piano. (1 credit each semester).**

Standard class procedures for students without previous training. One hour of lecture and a minimum of three hours practice each week.

**131, 132—Class Instruction in Stringed Instruments. (2 credits each semester).**

Course designed to give prospective teachers a thorough working knowledge of the stringed instruments. One hour lecture; two hours laboratory.

**133—Woodwind Instrumental Methods. (2).**

**135—Brass and Percussion Instrumental Methods. (2).**

The above courses are designed to provide prospective teachers with the methods for teaching all of the different instruments of the band and orchestra. Instruments and facilities are provided for student use.

**137—Music Education Orchestra. (1 credit each semester).**

**138—Music Education Band. (1 credit each semester).**

These courses provide familiarity with materials and routines suitable for use with elementary and secondary school orchestras and bands. The courses also enable a student who plays his major instrument in the university orchestra or the university band to gain needed playing experience on other instruments, and enable voice, piano, and organ majors to gain ensemble experiences. Either course may be repeated for additional credit, or students may participate without credit. Three hours per week.

**320—Teaching Music in Elementary Grades. (2).**

A practical course for teachers of primary and intermediate grades; selection of music; methods of teaching music; correlation of music and other subjects; creative music; music for appreciation. Prerequisite: Music 121 and 122 or permission of the instructor.

**321—Music Supervision in Grades 1-9. (3).**

The teaching, supervision and administration of music; basic concepts, philosophy, objectives of music education.

331—Materials and Methods in Instrumental Music. (3).

Developing the band or orchestra; balance and tone quality; conducting and interpretation; problems of intonation; literature for solos, ensembles, and groups of all grades.

421—Special Problems in the Teaching of Music. (1, 2, or 3).

This course provides for class or individual study of the problems and opportunities faced by the person who teaches music in the schools. Open to classroom teachers, music teachers, principals and administrators.

### TRAINING SCHOOL

Morgan Christian, Principal

The training school, located on the campus, is a public school comprising grades 1-9. This school is operated by Memphis State University as a part of the public school system of the City of Memphis. The training school enrolls approximately 700 students, and offers a broad program of training for these children. This school serves the teacher training program as a laboratory in which prospective teachers observe, study, and practice the art of teaching. Many and varied opportunities are offered university students to study children, to study a school program, and to participate in teaching activities. Through the training school, arrangements have been made for the use of other city schools for purposes of teacher training. Student experiences with the teachers of the training school, and with the many other fine teachers in the area, are considered an integral part of preparation for a teaching career.

**DEPARTMENT OF  
EDUCATIONAL ADMINISTRATION AND SUPERVISION**

**Mr. Crader, Chairman**

**Mr. England, Mr. Story, Mr. Street**

The Department of Educational Administration and Supervision does not offer courses at the under-graduate level. This department provides specialized graduate courses designed to prepare students to become elementary school principals, high school principals, supervisors, and city or county superintendents.

A guide for students who plan professional study in this area at the graduate level may be found in the GRADUATE SCHOOL BULLETIN, together with a listing of all courses offered.

**DEAN'S LIST**  
**Fall Semester, 1955**

Abernathy, Barbara R.	Jones, Donald Earl
Ashcraft, Thomas Cole	Jordan, Orin Osco
Baker, Hal Lavon	Kane, Frederick Dale
Barker, Eula Duncan	Kaplan, Carl Dave
Bell, Harold L.	Kirk, Barbara Ann
Bell, Steven Hunter	Kowalsky, Bradley D.
Benton, James Carl	Levine, Phyllis R.
Bowen, Thomas Roy	Lifer, Martin William
Branstine, Edwadean	Matthews, Clarence E.
Breen, John Francis	Mays, Beverly Sue
Bronaugh, Jessie Mae McDonald	McLemore, John A.
Brown, Shirley Ruth	McMahon, Ann Marie
Buckley, Jean M.	Mercer, Charles R.
Burnett, Nancy Callis	Merritt, Marvin D.
Bush, Joseph Kerry	Miller, George Atlas
Cannon, Ann	Misener, Judith May
Carlton, Marilyn	Morgan, Opal Brewer
Carter, Robert Leon	Mothershed, Betty S.
Chandler, Janie Wall	Neal, Gwendolyn Earl
Chumney, James R., Jr.	Neely, Ann
Clement, Frank L., Jr.	Nichols, Thomas W.
Costlow, Asa Levi	Oates, Jimmie C.
Crane, John Carleton	Pantella, Fred
Detheridge, Georgina Doris	Park, Alma Lea
Dillard, Diane	Pitts, Rita Kathryn
Edmondson, Charlotte	Poteete, Norma Jean
Estes, Robert Alan	Price, Franklin S.
Faquin, Caroline Holmes	Robinson, Mary L.
Feldmann, Janette R.	Russell, Sallie
Gillock, Edgar Hardin	Sanders, Barbara Ann
Goodman, May Horsley	Scates, Hiram S., Jr.
Green, Christa	Schreurs, Leola Mae
Guest, Mary Frances	Seay, Ann Elizabeth
Haire, Elizabeth Ann	Smith, Sarah Anne
Hamilton, James Polk	Sorrelle, Harris M.
Harper, Eleanor B.	Stephenson, Johnnie Belle
Harris, Norman L.	Summers, Sylvia A.
Herring, Mary Ernestine Smith	Twaddle, Bess C.
Hicks, Gloria Joan	Valentine, Mary
Horner, William Boyd	Vaughn, Kay Joyce
Houston, Eli Nelson	Vinson, Thomas C.
Huckaba, Elmer H., Jr.	Wade, Don Richard
Ivie, John M.	Wallen, Edward E.
Jackson, Carol Vance	Watkins, Louise Ruch Webber
Jennings, Billy Ray	Williams, Tommie Lou
Jones, Barbara L.	Wilson, Jack Hill
	Wofford, Emily Ann

**DEAN'S LIST****Spring Semester, 1956**

Abernathy, Barbara R.  
Ammons, James Ray  
Ashcraft, Thomas Cole  
Barker, Eula Duncan  
Bell, Harold L.  
Best, Clarence J.  
Booth, Sandra Lee  
Bowen, Thomas Roy  
Bradow, Ronald L.  
Branstine, Edwadean  
Breen, John Francis  
Britt, Gwendolyn  
Brotherton, Sophia C.  
Brown, Shirley Ruth  
Bush, Barbara B.  
Bush, Joseph Kerry  
Cade, Edward W.  
Cannon, Ann  
Carter, Robert Leon  
Carver, Gerald Jones  
Chumney, James R., Jr.  
Coleman, Leota H.  
Crane, John Carlton  
Cummings, James G.  
Danneker, John Allen  
Deaderick, Katherine  
Deaderick, Nancy L.  
Dieken, Jack  
Dorris, Sylvia Ann  
Dotson, Ruth Byrn  
Elliott, Elizabeth Hayes  
Evans, Jewel Fowler  
Feldmann, Jeanette  
Gillock, Edgar Hardin  
Goodman, May Horsley  
Gorman, Louise A.  
Green, Christa  
Greer, Melvin E.  
Harper, Eleanor B.  
Harris, Norman L.  
Hicks, Gloria Joan  
Homra, Beverly Ann  
Houston, Eli Nelson  
Howser, John Patton  
Huckaba, Elmer H., Jr.  
Hunt, James Garfield

Hurtado, Charles F.  
Irwin, Edward Eugene  
Ivie, John M.  
Key, Norma Jackson  
King, Shirley Joy  
Kinney, Jim Harvey  
Kirk, Barbara Ann  
Kowalski, Bradley D.  
Lanning, Adam B.  
Lawson, Janet Gail  
Lutz, Beverly Irene  
Matthews, William T.  
McManus, Laura Belle  
Morgan, Opal Brewer  
Morgan, Sam Burge  
Oates, Jimmie C.  
O'Kelly, Lewis Bailey  
Park, Alma Lea  
Parlow, Robert R.  
Patton, Margaret L.  
Pender, John Vincent  
Person, Curtis  
Pitts, Rita Kathryn  
Pope, Herbert Lee  
Proctor, Bonnie M.  
Quarles, Shirley Ann  
Ragland, George E.  
Richardson, George M.  
Robinson, Joyce A.  
Schringer, Evelyn C.  
Seay, Ann Elizabeth  
Smith, Joan Marie  
Smith, Sarah Anne  
Sorrelle, Harris M.  
Stuart, Floyd Ronald  
Taylor, Patricia B.  
Tilman, Robert O.  
Turner, Richard E.  
Twaddle, Bess C.  
Valentine, Mary  
Vaughn, Billie Sue  
Walker, Shirley Ann  
Walsh, Robert Morah  
Wilkinson, Harry E.  
Willis, Garroll Dee  
Wilson, Jack Hill  
Womick, Joseph Harry

# HONOR ROLL Fall Semester, 1955

Honor Points	
Levine, Phyllis R.....	195
Pitts, Rita Kathryn.....	195
Smith, Sarah Anne.....	190
Branstine, Edwadean .....	180
Lifer, Martin William.....	180
Morgan, Opal Brewer.....	180
Poteete, Norma Jean.....	180
Misener, Judith May.....	175
Russell, Sallie .....	175
Williams, Tommie Lou.....	175
Carter, Robert Leon.....	170
Dillard, Diane .....	170
Houston, Eli Nelson.....	170
Mothershed, Betty S.....	170
Oates, Jimmie C.....	170
Schrader, William L.....	170
Valentine, Mary .....	170
Benton, James Carl.....	165
Bronaugh, Jessie Mae .....	165
McDonald .....	165
Brown, Mary Frances.....	165
Chumney, James R., Jr.....	165
Church, Sylvia Ann.....	165
Guest, Mary Frances.....	165
Kaplan, Carl Dave.....	165
Mays, Beverly Sue.....	165
Neely, Ann .....	165
Schreurs, Leola Mae.....	165
Seay, Ann Elizabeth.....	165
Vaughn, Billie Sue.....	165
Vaughn, Kay Joyce.....	165
Barker, Eula Duncan.....	160
Crane, John Carleton.....	160
Evans, Ethel Buck.....	160
Harper, Eleanor B.....	160
Harris, Norman L.....	160
White, Billie B.....	160
Bush, Joseph Kerry.....	155
Cash, Medah Stewart.....	155
Crossett, Yvonne V.....	155
Green, Christa .....	155
Hicks, Gloria Joan.....	155
Huckaba, Elmer H., Jr.....	155
Levitch, Melvyn A.....	155
Parker, Patsy .....	155
Person, Curtis .....	155
Sanders, Barbara Ann.....	155
Watkins, Louise Ruch .....	155
Webber .....	155
Abernathy, Barbara R.....	150
Baker, Hal Lavon.....	150
Bowen, Thomas Roy.....	150

Honor Points	
Buckley, Jean M.....	150
Cannon, Ann .....	135
Burnett, Nancy Callis.....	150
Caen, Judith Lynn.....	150
Detheridge, Georgina .....	150
Estes, Robert Alan.....	150
Faquin, Caroline Holmes.....	150
Feldmann, Janette R.....	150
Hunt, James Garfield.....	150
Jordan, Orin Osco.....	150
Kane, Frederick Dale.....	150
McLemore, John A.....	150
Nichols, Thomas W.....	150
Park, Alma Lea.....	150
Richens, James William.....	150
Robinson, Mary L.....	150
Scates, Hiram S., Jr.....	150
Sorrelle, Harris M.....	150
Stephenson, Johnnie Belle.....	150
Twaddle, Bess C.....	150
Wofford, Emily Ann.....	150
Bell, Harold L.....	145
Chandler, Mary A.....	145
Gillock, Edgar H.....	145
Gordon, Margo Freda.....	145
Griggs, Billy .....	145
Hicks, Paula Elaine.....	145
Matthews, Clarence E.....	145
Miller, Walter D.....	145
Shaw, Nancy Sue.....	145
Vinson, Thomas C.....	145
Womick, Joseph Harry.....	145
Young, Frances Ann.....	145
Ashcraft, Thomas Cole.....	140
Bell, Steven Hunter.....	140
Brown, Barbara A.....	140
Brown, Shirley Ruth.....	140
Butler, Dawn Arleeda.....	140
Clement, Frank L., Jr.....	140
Dotson, Ruth Byrn.....	140
Goodman, May Horsley.....	140
Hampson, Donald E.....	140
Jackson, Carol Vance.....	140
Jones, Donald Earl.....	140
Kirk, Barbara Ann.....	140
Mauk, Walter Ray.....	140
McMahon, Ann Marie.....	140
Price, Franklin S.....	140
Schmidt, Sylvia Ann.....	140
Wade, Don Richard.....	140
Allen, George Edward.....	135
Brewer, Beverly Ann.....	135

**Honor Points**

Bryant, C. W.....	135
Byzet, F. J., Jr.....	135
Carlton, Marilyn Zlotky.....	135
Chandler, Janie Wall.....	135
Deaderick, Nancy L.....	135
Foster, Dametra.....	135
Hammons, Bobby Ray.....	135
Harwood, Clifton L.....	135
Hassell, Jon Marshal.....	135
Higdon, Betty Ann.....	135
Homra, Beverly Ann.....	135
Irwin, Edward Eugene.....	135
Ivie, John M.....	135
Jennings, Billy Ray.....	135
Jobe, Dorothy Sue.....	135
Kreunen, Margaret M.....	135
Matthews, Mary Ellen.....	135
Merritt, Sarah Ann.....	135
Oakley, Betty Ruth.....	135
Reeves, Sue G.....	135
Ruffin, Marie P.....	135
Tucker, Tommie F.....	135
Gong, Mary.....	130
Guyton, Jean Love.....	130
Hornsby, Sarah Jane.....	130
Horsman, Anne.....	130
Littlefield, Joanne.....	130
Mercer, Charles R.....	130
Myers, Jeanne Gier.....	130

**Honor Points**

Ott, Louis L., II.....	130
Pantella, Fred.....	130
Parker, James Canon.....	130
Phipps, Dorothy.....	130
Pickens, Margie Day.....	130
Prater, Martha Earle.....	130
Robinson, Joyce A.....	130
Scarvey, Frank, Jr.....	130
Summers, Sylvia A.....	130
Wallen, Edward E.....	130
Wright, Warren K.....	130
Allen, Catherine A.....	125
Armour, Mona Frances.....	125
Baird, Sarah Marie.....	125
Bradow, Ronald L.....	125
Condrey, Glenda Fay.....	125
Craddock, John H.....	125
Derrick, Fay Ruth.....	125
Haire, Elizabeth Ann.....	125
Hamer, Sara Helen.....	125
Morrison, Martha J.....	125
Neal, Gwendolyn.....	125
Pender, John Vincent.....	125
Pope, Herbert Lee.....	125
Reaves, Edna Joyce.....	125
Terry, Ann Carolyn.....	125
Wade, Lottie Nash.....	125
Wilson, Jack Hill.....	125
Zuber, William Henry.....	125

# HONOR ROLL Spring Semester, 1956

Honor Points	
Brotherton, Sophia Clark.....	210
Smith, Sarah Anne.....	210
Brewer, William B.....	195
McManus, Laura Beile.....	195
Harris, Norman L.....	190
Richardson, George M.....	190
Bowen, Thomas Roy.....	185
Allen, Catherine A.....	180
Crane, John Carleton.....	180
Green, Christa.....	130
Hunt, James Garfield.....	180
Quarles, Shirley Ann.....	180
Seay, Ann Elizabeth.....	180
Smith, Joan Marie.....	180
Morgan, Opal Brewer.....	175
Dotson, Ruth Byrn.....	170
Goodman, May Horsley.....	170
Houston, Eli Nelson.....	170
Person, Curtis.....	170
Sanders, Barbara Ann.....	170
Baker, Hal Lavon.....	165
Irwin, Edward Eugene.....	165
Lutz, Beverly Irene.....	165
Moore, Peggy Joyce.....	165
Perry, Richard V.....	165
Pitts, Rita Kathryn.....	165
Richens, James William.....	165
Ruffin, Marie P.....	165
Schrader, William L.....	165
Barker, Eula Duncan.....	160
Harper, Eleanor B.....	160
Hicks, Paula Elaine.....	160
Robinson, Joyce Becton.....	160
Smith, Iva Carol.....	160
Valentine, Mary.....	160
Baker, Beverly Belle.....	155
Bush, Joseph Kerry.....	155
Guyton, Jean Love.....	155
Howser, John Patton.....	155
King, Shirley Joy.....	155
Reaves, Edna Joyce.....	155
Womick, Joseph Harry.....	155
Abernathy, Barbara R.....	150
Bell, Harold L.....	150
Best, Clarence J.....	150
Branstine, Edwadean.....	150
Brown, Shirley Ruth.....	150
Bush, Barbara B.....	150
Carter, Robert Leon.....	150
Chumney, James R., Jr.....	150
Gorman, Louise A.....	150
Huckaba, Elmer H., Jr.....	150

Honor Points	
Morrow, Norma J. Poteete.....	150
Park, Alma Lea.....	150
Partlow, Robert R.....	150
Patton, Margaret L.....	
Edwards.....	150
Pierce, Virginia F.....	150
Ragland, George E.....	150
Sorrelle, Harris M.....	150
Taylor, Patricia B.....	150
Turner, Richard E.....	150
Walker, Shirley Ann.....	150
Ballard, Betty Jean.....	145
Danneker, John Allen.....	145
Evans, Jewel Fowler.....	145
Glass, Phoebe Lee.....	145
Greer, Melvin E.....	145
Hammons, Bobby Ray.....	145
Hicks, Gloria Joan.....	145
Litchard, Laurel J.....	145
Oates, Jimmie C.....	145
Twaddle, Bess C.....	145
Walk, William Boswell.....	145
Wilson, Jack Hill.....	145
Wright, Patsy C.....	145
Akin, Dudley.....	140
Brown, Barbara A.....	140
Chandler, Janie Wall.....	140
Dorris, Sylvia Ann.....	140
Feldmann, Janette R.....	140
Higdon, Betty Ann.....	140
Homra, Beverly Ann.....	140
Ivie, John M.....	140
Kirk, Barbara Ann.....	140
Matthews, William T.....	140
Mothershed, Betty Sue.....	140
O'Kelly, Lewis Bailey.....	140
Short, Vernon Neely.....	140
Taylor, George G.....	140
Vaughn, Billie Sue.....	140
Williams, Tommie Lou.....	140
Adams, Sara Jean.....	135
Ammons, James Ray.....	135
Armour, Mona Frances.....	135
Britt, Gwendolyn.....	135
Brower, E. Janelle.....	135
Cade, Edward W.....	135
Cannon, Ann.....	135
Carver, Gerald Jones.....	135
Chandler, Mary Ann.....	135
Coleman, Leota H.....	135
Conlee, Bobbie Nell.....	135
Crossett, Yvonne V.....	135

**Honor Points**

Culver, C. Delbert.....	135
Deaderick, Nancy L.....	135
Echols, William H.....	135
Hornsby, Sarah Jane.....	135
Key, Norma Jackson.....	135
Kowalsky, Bradley D.....	135
Levitch, Melvyn A.....	135
Matthews, Mary Ellen.....	135
McKee, Mary Clara.....	135
Moriarty, Michael T.....	135
Parker, James Canon.....	135
Phipps, Dorothy.....	135
Reeves, Sue G.....	135
Rowland, Patsy C.....	135
Shaw, Nancy Sue.....	135
Shelton, Clara J.....	135
Stephenson, Johnnie B.....	135
Stuart, Floyd Ronald.....	135
Walsh, Robert Morah.....	135
Woodward, Frank E.....	135
Ashcraft, Thomas Cole.....	130
Barber, Melvin C.....	130
Booth, Sandra Lee.....	130
Bradow, Ronald L.....	130

**Honor Points**

Breen, John Francis.....	130
Clabough, Carol Ann.....	130
Crews, Dorinda Ann Hale.....	130
Hopps, Iris Marie.....	130
Irvine, Donald William.....	130
McQuiston, Sara B.....	130
Scarvey, Frank, Jr.....	130
Willis, Garroll Dee.....	130
Choate, Mona Louise.....	125
Craddock, John H.....	125
Fisher, Dorothy Ann.....	125
Hurtado, Charles F.....	125
Kinney, Jim Harvey.....	125
Lawson, Janet Gail.....	125
Mills, Larry H.....	125
Nall, George M.....	125
Pender, John Vincent.....	125
Phillips, Jerry C.....	125
Schringer, Evelyn C.....	125
Skinner, James S.....	125
Swinehart, Judith A.....	125
Vinson, Thomas C.....	125
Viser, Clarice E.....	125

## DEGREE CANDIDATES — JUNE, 1956

### SCHOOL OF ARTS AND SCIENCES

#### BACHELOR OF ARTS

Gwila Jo Atkins  
\*Clarence Jerrell Best  
\*\*Ann Cannon  
Joseph Edward Chidester  
Quentin Lloyd Cooper  
\*Carolyn Esther Dellinger  
\*Peggy Jo Hall  
James Polk Hamilton  
Joan Jeter Helton  
\*Edward Eugene Irwin

David Lamar Jacks  
\*Margaret Mary Kreunen  
Anne Catherine McIsaac  
\*Sara Betty McQuiston  
\*\*Rita Kathryn Pitts  
\*H. Shaw Scates, Jr.  
\*Mary Jane Tinkler  
\*Faye Marie Todd  
Norma Jean Wilkinson  
\*Robert Ellis Williams

#### BACHELOR OF SCIENCE

\*Catherine Ann Allen  
Nancy Chandler Almy  
David Ralph Anderson  
James William Anderson  
\*Larry M. Austin  
James Hervey Aycock, Jr.  
Carl G. Barker  
\*Joe Frank Barnett  
Elbert Clayton Bartliff  
Whitten Ray Bell  
Arie Braude  
\*Mary Frances Brown  
George Fred Carter, Jr.  
\*James William Casey  
Danny J. Childs  
Helen Wynell Edgeworth Chism  
Sylvia Ann Church  
Ed R. Clayton  
James Wilson Crawford  
Theodore Lamar Cunliffe  
Dominique David  
\*Diana Diggs  
Barbara Ellen Dodge  
Harry R. Easley  
\*Helen Faye Ellis  
William Bowlyne Fisher II  
Robert Carroll Fite  
Patricia Ann Fitzgerald  
George William Fleischer  
Leonora Louise Gill  
Marion Frances Graves  
\*Billy Glynn Griggs  
Donald Ike Gronauer  
Renee S. Haffner  
Robert Clark Harrell

William Eugene Hattle  
James Elbert Hayslip  
Thomas Linton Holliday  
Joann Holt  
\*Rushelle Hood  
William Boyd Horner  
Jackie E. Houston  
Billy Ray Jennings  
W. Hubert Jones, Jr.  
Charles A. Jung  
Dee Killingsworth, Jr.  
Loretta Marie Kinsloe  
H. B. Landess, Jr.  
Lucien L. LaRue II  
James A. Lawrence  
William Frederick Lynch, Jr.  
Keith Franklin Magdefrau  
Lawrence Allen Mashaw  
Mary Charlene McCain  
John Anderson McLemore  
William A. McTighe  
Joe L. Mendoza  
Walter D. Millre  
Walter Clark Moore  
J. Alford Morgan  
John Howard Morris, Jr.  
Tom Wood Murtaugh  
\*Betty Ruth Oakley  
Jean Carolyn Orr  
Buck P. Patton  
Curtis S. Person, Jr.  
James Arnett Phillips  
Duane Whitney Piper  
Dion Gene Pogson  
\*Shirley Mai Potts

Thomas W. Ragland  
 Betty-Erle Pouncey Rhodes  
 Lillis Ann Richardson  
 Nathan Thaddeus Richardson, Jr.  
 Edwin Meek Richter  
 Peter Monteverde Robinson, Jr.  
 Mae Frances Ross  
 \*William Lynwood Schrader, Sr.  
 Joy Lucille Scott  
 John Joseph Shea  
 James Hillman Simpson  
 Hugh Walter Smalley  
 \*Ivy Carol Smith  
 \*Joan Marie Smith  
 Merrill Olin Stalcup, Jr.  
 Chester Rayburn Stewart  
 William Paul Stiegler  
 Vaughn Elden Stimbert

Helen Lewis Taylor  
 Martha Louise Wallace  
 Frederick E. Wang  
 Thomas Edwin Ward  
 \*\*Louise Ruch Webber Watkins  
 Milton Ashford Webb  
 David Kent Wharton  
 \*Billie Frances Barton White  
 Rex Olson Wilkinson, Jr.  
 \*Charles Reise Williams  
 Marion Eugene Williams  
 Orville Williams, Jr.  
 \*Jack H. Wilson  
 Don Lee Womack  
 Betty Mavalene Woodward  
 Emmie B. Woodward  
 Sam Paul Zerilla

## SCHOOL OF BUSINESS ADMINISTRATION

### BACHELOR OF SCIENCE

Paul Phillip Adams  
 Eugene Carol Arnold  
 James Edward Bailey  
 George F. Baskin  
 Barbara Jean Beaty  
 Charles Postal Brown  
 Jerry Marshall Buckaloo  
 Billy Fred Bynum  
 Billy Terrell Cash  
 James M. Chambers III  
 Gordon Chapman  
 Vera Edith Clifton  
 Barbara Jo Coats  
 Pauline Cohen  
 Bobbie Nell Conlee  
 Hugh Brent Cooke III  
 \*\*Asa Levi Costlow  
 David Andrew Daniel  
 \*John Allen Danneker  
 Johnnie F. Dettor  
 Richard Allen Douglas  
 John S. Eastburn  
 Nick James Fillon  
 Dorothy Ann Fisher  
 \*Melvin Fleischer  
 David Houston Fowler  
 \*Edgbert Mack French  
 Charles Hammond Fulton  
 \*Samuel David Gould, Jr.  
 James T. Green, Jr.  
 Coy Newton Haraway  
 \*Sara Evelyn Harbert

Charles Eugene Harwood  
 William Ellis Hastings  
 Jack Marshall Heffington  
 Gerald H. Hickman  
 James Marvin Hopper  
 Ocie C. Ingram, Jr.  
 George Matthew Jennings, Jr.  
 William Hoyte Johnson  
 \*Orin O. Jordan  
 Louis Jack Knox  
 James Kenneth Koon  
 Leonard T. Lafferty  
 Earl Reeder Land  
 \*\*Phyllis Ratner Levine  
 \*Martin William Lifer, Jr.  
 Homer J. Loveless, Jr.  
 Glenda Faye McCord  
 \*John William McNamara  
 Hulon Ray McPhail  
 Gerald Franklin Meadows  
 Ralph Houston Middlebrook  
 Kenneth Weedon Moore  
 Robert Ray Morgan  
 \*Rhondal Harry Nunnery  
 William Taylor Overton, Jr.  
 Bobby Baker Patterson  
 Melvin Pelletier Payne, Jr.  
 Robert Lee Peters  
 Kenneth B. Phillips  
 Joseph Allen Pitner  
 Bobby J. Pratt  
 Richard G. Pruett, Jr.

\*Roy Bryan Reeves  
Hillman Robins, Jr.  
John Wesley Roberson, Jr.  
Edwin Curry Russell  
\*Carolyn Theodora Smith  
John William Smuda  
Frank Joseph Soro  
Gordon Ralph Stamm  
Tommy Spain Stephens  
\*Dyke Stockslager  
Sam L. Stringer, Jr.

James W. Tate  
Jerry Taylor  
Janet Dale Thomasson  
Francine Joye Trantham  
Donald Arthur Underwood  
David Bernard Webb  
Paul Webb  
Thomas Sheldon Webb  
\*Peggy Welch Welshans  
Paul Wayne Wyrick

## SCHOOL OF EDUCATION

### BACHELOR OF SCIENCE

\*Sara Jean Adams  
Ruth Britton Almy  
Peggy Jane Dinwiddie Alsup  
Forest Loyd Arnold  
Hal Lavon Baker  
John Wilson Bandy  
Evelyn V. Barbig  
Joseph Earl Billings  
Beverly Ann Brewer  
\*Gwendolyn Britt  
Betty Jean Brown  
Charles Roy Buffington  
\*Nancy Callis Burnett  
Clarice A. Butterick  
Kenneth M. Caldwell  
Elizabeth Davidson Chancellor  
Robert Neal Clark  
Mary Ruth C. Doler  
James G. Douglas  
James A. Duncan  
Doris Ellison  
Johnnie Ray Entrikin  
Paul Vane Fairley, Jr.  
\*\*Caroline Holmes Faquin  
Lanny Joe Ferguson  
Brady Elmore Fortner  
\*Edgar Hardin Gilock  
Carolyn Marie Gore  
Jenny Lynn Harpster  
James Fulmore Harwell, Jr.  
Marilyn Cooke Heflin  
Sara Grimes Hettinger  
Jimmie Belle Houston  
Ray Hughes  
Trotter Elizabeth Hull  
Allen A. Jaco, Jr.  
Carol Clark Johnson  
Carlie Ann King  
Jean N. Kinnie  
William Claude Kobeck  
Martha Robert Williamson

Carlene L. Wilson  
Louis Aubrey Wynne, Jr.  
Barbara Anne Lake  
Frank Anthony Linxwiler  
\*Charles C. Loper  
\*Beverly Lutz  
\*Sandra Jean Maddox  
\*Barbara Mangrum  
Suzette Mann  
John P. Meibaum, Jr.  
\*\*Opal Brewer Morgan  
\*\*Betty Sue Mothershed  
\*Ann Neely  
William Andrew Oyler  
\*Virginia Fae Pierce  
Louis L. Porter  
Shirley Ruth Pruitt  
\*Shirley Ann Quarles  
Wanda Jane Quinn  
James W. Richards  
Claude Eugene Riggs, Jr.  
Joanne B. Robinson  
William W. Robinson, Jr.  
\*Gerri M. Rushing  
Bettye Jean Rutledge  
\*Leola Mae Schreurs  
\*\*Ann Elizabeth Seay  
Bob F. Stephenson  
Robert Anne Steuart  
\*Floyd Ronald Stuart  
Patricia Belle Taylor  
James A. Thomas  
Joy Louise Thompson  
Bess Caraway Twaddle  
\*Betty Ann Walker  
James Herbert Walker  
Robert Earl Wilkins  
Martha Ann Perry Williams  
Robert Alexander Williams, Jr.  
William M. Williams

## GENERAL COLLEGE

## BACHELOR OF SCIENCE

Faye Poston Black  
 William Frederick Brunner  
 Joseph Sydney Carnes  
 Hazel Hart Carter  
 Irene Bowling Dixon  
 John Rogers Duke  
 Mrs. Russell Eason, Sr.  
 Thomas Franklin Fowler, Jr.  
 Ruth Keller Jenkins  
 John H. Johnson  
 C. Glenn McDaniel  
 Alex J. Migliara

Hal Benjamin Morris, Jr.  
 Leon Edwin Nall  
 Nicholas Wickham Oakley, Jr.  
 George M. Roper, Jr.  
 Faber David Sandidge  
 Vernon Neely Short  
 Johnnie McManus Stephenson  
 William Franklin Stephenson  
 William McKinley Stewart, Jr.  
 \*\*Myrtis Boschert Thompson  
 Thomas Crofford Vinson  
 William Ronald Ward

## DEGREE CANDIDTES — AUGUST, 1956

## SCHOOL OF ARTS AND SCIENCES

## BACHELOR OF ARTS

\*Dorris Prescott Davie  
 \*Jo Anne Littlefield Hill

Julia Therese Hodgson  
 \*Joseph Harry Womick

## BACHELOR OF SCIENCE

Frank G. Browder III  
 Edith Denman Bruce  
 \*\*Medah Stewart Cash  
 Charles Leroy Clifton  
 Warren Bogy Cooper  
 Raymond Anderson Daniel  
 Rebecca O'Quinn Davidson  
 William Fred Dodson  
 Betty Doran  
 Ernie Murphy Downing  
 Edith Cooley Edwards  
 Rayford Dale Ford  
 Mary Ann Furlotte  
 Conrad Gosheff  
 John S. Harris, Jr.  
 Stanley Steven Hipp

William Eugene Hood  
 Francis P. Johnson  
 Jere Paul Joyner  
 Fred A. Kennedy  
 Jimmy E. Martin  
 Laura Belle McManus  
 Louis L. Ott II  
 Alma Lea Park  
 Mary E. Hollan Smith  
 Lynn F. Sutton  
 Linda Evelyn Thornton  
 Evelyn Carol Venable  
 Lyon Perry Wilbur, Jr.  
 Harry E. Wilkinson  
 Edith Joy Yarbrough

## SCHOOL OF BUSINESS ADMINISTRATION

## BACHELOR OF SCIENCE

William Lee Bagwell  
 Henry Bassi  
 \*Robert Clarke Best  
 James A. Bonner, Jr.  
 Henry Lawson Brint

Andrew Ray Castle  
 Ben G. Coffey, Jr.  
 James A. Deal  
 Shirley Jean Flint  
 Stephen H. Frank

Tommy Curtis Freels  
Donald Lee Grissom  
John L. Hinkle  
Woods Tate Holloway, Jr.  
Sing Lock  
James W. Mack  
Charles Stewart McCarthy  
A. V. McDowell  
William F. McNary  
Marvin Duane Merritt  
William D. Moffatt  
Ned N. Norworth, Jr.

Wilce A. Rawles, Jr.  
William McGee Reed, Jr.  
\*Odom Sherman, Jr.  
Robert Owen Veach  
Earl Meldrum Weddle, Jr.  
Charles Henry Wexler  
Nina L. White  
Floyd Edmond Williams  
Marvin D. Winston  
James Xiques  
Joseph M. Zanone

## SCHOOL OF EDUCATION

### BACHELOR OF SCIENCE

Clifford Ronald Acred  
Nannie Jean S. Bell  
Patricia Ann Brigman  
William H. Brint  
\*Sophia C. Brotherton  
Ethel Braun Brushe  
Mrs. Howell Caldwell  
Mary Ann Chandler  
Billie Mae Chiles  
Pauline Tracy Corbitt  
\*Yvonne V. Crossett  
C. Delbert Culver, Jr.  
Robert William Davidson  
Dorothy H. Douglas  
James Edward Doyle  
Thomas McNeal Doyle, Jr.  
Mary Frances Edgerton  
Sara R. Emerson  
John Robert Hanna  
William Clark Hill  
Leila Almarita Johnson  
Eloise Galloway Knott  
Frank Madlinger

Mary Eugenia Masserano  
Robert Edward McCaskill  
Marguerite Smith Moore  
Mrs. Atrelle S. Murphy  
Virginia Wadley Nash  
Dorothy Cook Olexik  
Raymond Jerry Owen  
Mattie S. Pitman  
Norma Jean Poteete  
Lafayette Melvin Ragsdale  
Joe Pierce Ray  
Robert Lewis Reagh  
Evelyn Stewart Roby  
Rosalyn Belle Sammons  
Florence Kirk Seward  
Clara Johnson Shelton  
\*Harriet Dezern Smith  
Johnnie Brown Stegall  
William Boswell Walk  
Martha Ellen White  
Henry R. Widdop, Jr.  
Robert Freeman Wilson

## GENERAL COLLEGE

### BACHELOR OF SCIENCE

Virginia Hale Austin  
Emma T. Black  
Ralph Lenox Blalock, Sr.  
Charles E. Caldwell  
Abbey Jewel House Cawthon  
Patsy Keathley Deming  
Clara T. Dixon  
Alice Bailey Dowdy  
Elizabeth Winifred Ferguson  
Charles D. Flippin  
Ann Whitson Glass

Harvey Orval Haggard  
Louise Crawford Harston  
Clyde Walter Head  
Daniel Cameron Hoffman  
Era Hubbard  
Barbara J. Icenberger  
John Kimbrel Joyce  
Evelyn Stanford Joyner  
Charles Edward Kyle  
Annie Laurie Leigh  
Alberta Maroney

Johnnie Vera McDaniel  
Gladys Cousar McDow  
Mary Clara McKee  
Malcolm R. Melton  
Lovie Forrest Moore  
Jeral Allen Porter  
Mary Gee Prewitt  
Grace Pylon

Vivian J. Rogers  
Eugene Goff Shaw  
Joe Maurice Smith  
Mary Ruth Pass Smith  
Thomas Savage White  
Lealon E. Wyatt  
Gladys A. Woodard

## DEGREE CANDIDATES — JUNE, 1956

### THE GRADUATE SCHOOL

#### MASTER OF ARTS

Arvel James Adkins  
Blanche Jaggars Armstrong  
Jack Elmer Bailey  
Mary Jane Bishop  
Francis Joseph Blaskovich  
Jack Carr Blount  
W. L. Bobbitt  
Joe Boswell  
Leon Brantum  
J. R. Brazzel  
Ruby Webb Brooks  
Bernece Hamilton Bullard  
Mary Elizabeth Burrows  
Nancy Fyfe Cardozier  
Charles Ray Castellaw  
Charlie V. Clift  
W. E. Cobb  
James Thomas Cole  
Fred Colvett  
Mary Louise Brooks Cooper  
W. Gardner Crockett  
Neill Buie Davis  
James Otis Dodd  
Earnest Dumas  
Brodie Travis Estes  
Rita M. Ferguson  
Vivian Yelverton Finch  
Mrs. C. B. Fisher  
William Raymond Forbes  
Robert Marvin Ford  
Vera Elizabeth Fowinkle  
Ludie Pettigrew Franklin  
Harold I. Fredericks  
H. C. Fryar, Jr.  
Charles Eugene Garrett  
Chambliss Williams Gatling  
Lewis Paul Glass  
Marguerite Griffin  
Beulah Oldham Hanna  
Wardie L. Harvey  
Brewer Lee Hefner

Curry Lee Hendrix  
Sue Hicks  
Addie E. Suggs Hilliard  
Fay Boyd Holley  
Paul H. Holmes  
Ernest L. Holt  
Helen Louise Hunt  
Walter E. Hunt, Jr.  
Arnold Hurst  
Solon C. Hurt  
Melville Louise Jameson  
Yolanda Esther Jasson  
Bobby G. Johnson  
George D. Johnson  
Judy Bernice Johnson  
Annabel Jones  
Preston Behling Kizer, Jr.  
Harry A. Knight, Jr.  
Ethelda Louise Koelz  
Virginia Priestley Lamb  
McCall Lewis  
Ethel Geary Linder  
Louise Mathis Long  
Troy L. Long  
Elroy J. Malone  
Albert Eugene Martin  
Ethel Taylor Maxwell  
Charles Cleo McCollum  
John Charles McGarrity  
Robert Marse McPeake  
John Thomas Midkiff  
Mary Mills  
Elisabeth Buford Montague  
Frances Johnston Morris  
Charles McBeth Murphy  
Donald W. Musser  
Mary Myers  
Margaret Anne Nolen  
Wilford Burnette North  
Howard R. Oliver, Sr.  
Jimmie Ralph Osburn

Norman Joe Owen  
Harold Edwin Owens  
Mayrene L. Peterson  
William Walter Pierce  
Edward Clifton Pritchett  
Mary Nell Rankin  
Frank Maurice Sanders  
James Moir Saunders, Jr.  
Sophronia McKenzie Seaton  
Thelma Jennings Seavers  
Leone Havenstrite Short  
Tommie Lee Hurst Smith  
Frances Sonenschein  
Marjorie Stamper  
Katherine Baker Stanton

Russell F. Stewart  
Daniel B. Stout, Jr.  
James L. Thomas  
Oscar L. Thomas  
Chloe Van Beber  
Bettye Blankenship Walker  
Joseph Conrad Watlington  
Pete Webb  
Maggie Lou Shore Welborn  
Margrette Miller White  
Henry Adolphus Williams, Jr.  
John Finch Williams  
Wilda Malloy Williams  
Alma McBride Young

## DEGREE CANDIDATES — AUGUST, 1956

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Lonnie J. Alexander  
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Billy T. Armstrong  
Robert F. Barkley  
Harvey Emrich Barton  
Kenneth C. Bennett  
James Richard Bibb  
George E. Blakemore  
Lacy A. Branson  
Charles Lee Brown  
Theodore Cawthorn  
Elizabeth Custer Chafin  
Stanley Mack Chandler  
Cecil Lionell Clayton  
Eileen K. Conway  
Ruby Mae Street Cooley  
Arthur Harold Cooper  
Donald Neil Crader  
Olivia Crittenden  
Stanley C. Davies  
Clara Harvey Dowell  
Bernice Tuite Edgington  
H. B. Evans  
Laura Mae Ferguson  
John Robert Franks  
Alta Gray Freeman  
Edna Mae Freeman  
Orion F. Frye  
Hermas Raoul Gagnon  
Gordon Lee Gilbert  
Billy Glynn Griggs  
Howard Clois Guthrie

Virginia Harrell  
Charles B. Harrington  
Sarah Elizabeth Harris  
Leslie Hendrix  
Viola Frances Hoback  
Charles Woodrow Hood  
Mary Jane House  
Ann Ammons Howard  
Oscar Paul Kapperman  
Howard Hartwell King  
Howard Curtis Laumann  
Samuel Ernest Lewis  
Floyd Wilbur Liley  
James Wayne Mann  
Lucius Tim McGaughran  
John Anderson McLemore  
Mrs. Mary Lee Howell McNees  
Mrs. Maggie G. McQuiston  
William Clifton Melvin  
Doris Marie Middleton  
Cecil Milam  
Billye Corinne Murphy  
Joe Thomas Naylor  
Randall W. Nichols  
Katherine Jane Patterson  
Charles Alexander Pennel  
Joseph Evans Peterson  
Martha Williams Polk  
Herbert M. Pollock  
James Milton Raines  
Marvin Eugene Riddle  
Mrs. Margaret Y. Rogers  
Kenneth Scoggins  
Eugene Siler

Dorothy Ann Simmons  
 David C. Smith  
 Ruth Ball Smith  
 Nelle Stanfill  
 Osler Z. Stephens, Jr.  
 Loy Elizabeth Tate  
 John William Taylor  
 George Davis Thomas  
 Margaret Frances Thompson  
 Mrs. Malra Clift Treece

Louise M. Truelove  
 William Thomas Turner  
 David Twersky  
 Albert Van Wimberly  
 Louis Welch  
 Lillian Holley Wiley  
 Mrs. Mozella Duffey Wilson  
 Vivian Turbeville Wimberly  
 Opal Harrell Wood

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 Eugene Carol Arnold  
 Larry Morton Austin  
 Hal Lavon Baker  
 Whitten Ray Bell  
 Kenneth Merlyn Caldwell  
 James Wilson Crawford  
 Theodore Lamar Cunliffe  
 Richard Allen Douglas  
 George William Fleischer  
 David Houston Fowler  
 Keith Franklin Magdefrau  
 Lawrence Allen Mashaw

Ralph Houston Middlebrook  
 Walter Durward Miller  
 Walter Clark Moore  
 John Howard Morris, Jr.  
 William Taylor Overton, Jr.  
 Nathan Thaddeus Richardson  
 Claude Eugene Riggs, Jr.  
 John Wesley Roberson  
 Vaughn Elden Stimbert  
 Jerry Francis Taylor  
 Thomas Edwin Ward  
 Orville Howard Williams  
 Louis Aubrey Wynne

AUGUST, 1956

William Lee Bagwell  
 James Alvin Deal  
 William Lee Garner III

Conrad Gosheff  
 Jere Paul Joyner  
 Jack Elmer Terry, Jr.

### ALMA MATER

Stand firm, O Alma Mater,  
 Through all the years to come;  
 In days of youth and beauty  
 Thy halls have been our home.  
 In time of preparation  
 Great lessons didst thou teach  
 Til now, O Alma Mater,  
 The stars we'll strive to reach.

Lead on, O Alma Mater,  
 Thy sons of higher ways,  
 Give light and truth unto them  
 For all their coming days.  
 To thee we'll give all honor,  
 Our hopes abide in thee,  
 For thou, O Alma Mater,  
 Hast made us ever free.

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